

## ESG Basis of Reporting

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## **AL YAH SATELLITE COMMUNICATIONS P.J.S.C.**

30 May 2023

This document outlines the approach and scope used for specified data collection of sustainability performance indicators, as published in Yahsat's Sustainability Report 2022.



## SCOPE 1 EMISSIONS

DEFINITION	Scope 1 emissions are generated from the generators sets that are maintained as a back up to grid electricity, and a vehicle used by facilities department inside Yahsat HQ premises.
SCOPE	Yahsat maintains emergency backup electricity generators at Yahsat HQ in Abu Dhabi. The generators are tested on a set frequency for a specific period as per SOP (Standard Operating Procedure) to confirm the working efficiency of the generators. The Vehicle is utilized inside the premises for operational purposes only.
UNITS	Liters of diesel for generators.  Liters of petrol for vehicle.
METHOD	<p>Standard Operating Procedure: all the generators are quarterly tested as per generator manufacturer recommendation and critical facilities requirement.</p> <p>If there are no interruptions in grid electricity, the fuel consumed to test the electricity generators will remain consistent each year, unless there is a change made to the type of electricity generator used and/or any changes made to the testing procedures.</p> <p>Electricity generators are tested on a set frequency and for a set period of time. The consumption of fuel is calculated based on the specifications provided by the manufacturer. i.e. calculated on the basis of a liter of fuel consumed for a specific load factor and running time.</p> <p>Vehicle utilization is limited to internal operations inside Yahsat HQ.</p> <p>The petrol in the vehicle's tank is maintained up to the optimum level. The number of liters consumed is based upon fuel consumption log sheet.</p> <p>Diesel and Petrol is converted into CO2 by using the Greenhouse gas reporting conversion factors provided by the Department for Energy Security and Net Zero and Department for Business, Energy &amp; Industrial Strategy.</p> <p>Calculation factor and calculation formulae are provided below.</p>



Direct GHG emissions (Scope 1)	Formula	Source
Petrol consumption from vehicles	$\text{tonnes of CO}_2\text{e} = \frac{\text{petrol consumption (liters)} \times \text{petrol emission factor } \left(\frac{\text{kg CO}_2\text{e}}{\text{liter}}\right)}{1000 \left(\frac{\text{kg CO}_2\text{e}}{\text{tonne}}\right)}$	<a href="https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022">https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2022</a>
Diesel consumption from vehicles	$\text{tonnes of CO}_2\text{e} = \frac{\text{diesel consumption (liters)} \times \text{diesel emission factor } \left(\frac{\text{kg CO}_2\text{e}}{\text{liter}}\right)}{1000 \left(\frac{\text{kg CO}_2\text{e}}{\text{tonne}}\right)}$	



## SCOPE 2 EMISSIONS

DEFINITION	Scope 2 emissions are accounted on the basis of the meter data received from grid electricity suppliers.
SCOPE	Yahsat HQ in Abu Dhabi and Thuraya PGW (Primary Gateway) are in scope for this KPI.
UNITS	Kilo Watt per Hour (kWh)
METHOD	<p>ADDC supplies electricity to Yahsat HQ at Sweihan Road in Abu Dhabi. ADDC installed eight transformers at Yahsat HQ feeding electricity, and eight electricity meters recording electricity use. Yahsat employees note the meter reading on a monthly basis and send to ADDC, which in turns send the bill to Yahsat during the first week of the following month. ADDC verifies the meter reading periodically. The total number of units consumed (accumulated for eight meters) in a given year are accounted for in Yahsat HQ's electricity consumption.</p> <p>FEWA supplies electricity to Thuraya PGW. Two meters are installed at Thuraya PGW site. Thuraya PGW site is maintained by Etisalat. FEWA takes direct monthly readings from the meters and this is billed to Etisalat. Etisalat then send the monthly invoices and the FEWA bills to Thuraya PGW. The total consumption is based on the electricity units billed for both meters.</p> <p>The kWh is converted into tons of CO2 using the IGES factor shared provided below.</p> <p>The Calculation factor and calculation formula are provided below.</p>

Indirect GHG emissions (Scope 2)	Formula	Emission Factor Source
Electricity consumption	$\text{tonnes of CO}_2e = \frac{\text{electricity consumption (kWh)} \times \text{electricity emission factor} \left( \frac{\text{kg CO}_2e}{\text{kWh}} \right)}{1000 \left( \frac{\text{kg CO}_2e}{\text{tonne}} \right)}$	<a href="https://www.dewa.gov.ae/-/media/Files/Customer/Sustainability-Reports/Sustainability-report-22---EN.ashx">https://www.dewa.gov.ae/-/media/Files/Customer/Sustainability-Reports/Sustainability-report-22---EN.ashx</a>



## GENDER & DIVERSITY

DEFINITION	Workforce by gender profile (or Gender Profile)
SCOPE	This KPI is applied to Full Time Employees (FTEs) of Yahsat Group entities over which Yahsat has an operational control.
UNITS	Number of employees.
METHOD	<p>The KPI represents actual number of male and female employees by the end of year (31 December).</p> <p>The employee profile is maintained in the Oracle Human Capital (HC) system (internally called Majarah). Gender data is extracted for the reporting from the system for the given year by the end of the year (31 December).</p>



## MEDIAN COMPENSATION

DEFINITION	Employee Median Compensation for Males & Females.
SCOPE	This KPI is applied to Full Time Employees (FTEs) of Yahsat Group entities over which Yahsat has an operational control.
UNITS	Annual Compensation in US\$.
METHOD	<p>The KPI represents the median compensation of male and female employees, and their ratio.</p> <p>The definition of compensation was established for the consistency of reporting, which includes the monthly take home salary including basic salary, and all other <b>eligible</b> allowances (consolidated, airfare, Child, National, acting, special and shift). The compensation excludes the annual bonus, occasional allowances &amp; child education assistance.</p> <p>The data is maintained by in the Oracle Human Capital (HC) system (internally called Majarah) and the <u>current annual compensation</u> is calculated based on year-end (31 December) payroll figurers multiplied by 12. The medians are calculated and disclosed in Yahsat Sustainability report.</p>



## DATA PRIVACY

Total number of identified leaks, thefts, or losses of customer electronic data.

DEFINITION	Total number of identified leaks, thefts, or losses of customer electronic data
SCOPE	Yahsat Group customers for whom electronic data is maintained
UNITS	Total number of identified leaks, thefts, or losses of customer electronic data
METHOD	<p>In general, electronic data leakage or loss occurs when sensitive data gets unintentionally exposed to the public in transit or at rest.</p> <p>A data theft is mostly related to an adversary external intrusion attempt (Cyber-attack attempt).</p> <p>In both cases, theft of data, leak or loss can result in a data breach.</p> <p>To detect and identify any attempts to breach data, Yahsat information security has deployed multiple controls to collect events from various critical sources:</p> <ul style="list-style-type: none"> <li>• End users' machines</li> <li>• Application and Data Servers</li> <li>• Local network traffic</li> <li>• Perimeter Network Devices</li> <li>• Cloud Security Controls</li> </ul> <p>Yahsat Information Security team ("YahSat") utilizes the information collected from the above mentioned data sources to correlate events together for proactive monitoring to identify any potential security incidents or attempts at early stages. The following post incident investigation and response will identify any information security incident that led to any data breach in general and breach of customer data in particular.</p> <p>Yahsat runs the above mentioned process on a 24/7 basis with support from a 3rd party Security Operations Center ("SOC")</p> <p>Additional methods of monitoring of leaked data besides the previously mentioned are through 3rd party Threat Intelligence reports that provides insights about any references to any of Yahsat data or brand externally, those reports are provided by our 3rd party SOC services and other security intelligence entities such as Signal Intelligence Agency (SIA) and Arab Emirates Computer Emergency &amp; Response Team (AE-CERT).</p> <p>A formal reporting process will then take place to declare the data breach and any material impact.</p>



**Total number of substantiated concerns received concerning breaches of customer data privacy.**

DEFINITION	Total number of substantiated concerns received concerning breaches of customer data privacy.
SCOPE	Yahsat Group customers for whom data is maintained.
UNITS	Total number of substantiated concerns received concerning breaches of customer data privacy.
METHOD	<p>Yahsat has multiple channels to receive the concerns, including;</p> <ol style="list-style-type: none"> <li>1. Customer Care department (subscribers/customers can call directly)</li> <li>2. Ethics &amp; Compliance (E&amp;C) dedicated helpline &amp; email address</li> <li>3. Information Security dedicated email</li> </ol> <p>Once a concern has been received it is forwarded to the E&amp;C officer for validation in coordination with relevant stakeholders (legal, information security, internal audit, etc.). Appropriate resolutions are reached after review and analysis of each concern.</p> <p>Conclusions will be sent back to affected customers or individual raising the concern.</p>

