

Tomorrow  
On-Board

 TURKISH AIRLINES

 **TURKISH AIRLINES**

A STAR ALLIANCE MEMBER 



**SASB Disclosures 2022**  
Reporting Period:  
January 1, 2022 - December 31, 2022

# SASB Standards Disclosures & References

TOPIC	SASB DISCLOSURE CODE	METRICS	DIRECT RESPONSE / REFERENCE
Greenhouse Gas Emissions	TR-AL-110a.1	Gross global Scope 1 emissions	<p>During the reporting period, total GHG emissions increased in parallel with the increased flight operations. Accordingly, Turkish Airlines operations generated 22.98 million tons of CO<sub>2</sub>e GHG emissions in 2022, of which 18.17 million tons were Scope 1 emissions.</p> <p>For more information please refer to: 2022 Sustainability Report, P.42, 87</p>
	TR-AL-110a.2	Discussion of long- and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	<p>Turkish Airlines manages its greenhouse gas emissions with short, medium and long-term targets. The main long-term goal of the Incorporation is to become a Carbon Neutral airline by 2050.</p> <p>In line with this long-term goal, short and mid-term targets are set and performance analyses are carried out annually. The long-term predictions of national and international organizations in the industry are taken into consideration in the analyses and constant reviews are made to achieve long-term goals.</p> <p>The sub-targets to achieve commitment to become a "Carbon Neutral Airline by 2050" are as follows:</p> <ul style="list-style-type: none"> <li>*Reducing carbon emissions by 15-20% compared to old generation aircraft with the new generation aircraft that will be included in the fleet.</li> <li>* Reducing carbon emissions by 15-20% compared to earlier generation aircraft with the new generation aircraft we will include in the fleet.</li> <li>* Extending the current use of Sustainable Aviation Fuel (SAF) on different routes and increasing frequencies.</li> <li>* To provide a minimum of 5% of the energy used in buildings from renewable energy sources.</li> <li>* Neutralise carbon emissions from flights operated under CORSIA that are above the base year value.</li> <li>* To increase fuel efficiency by 5% by 2033 compared to 2023 through operational improvements to be realised by 2033.</li> </ul> <p>Fuel saving practices form the basis of Turkish Airlines' strategy to combat climate change and reduce greenhouse gas emissions. Various fuel efficiency parameters are continuously measured and monitored in accordance with the comprehensive fuel saving policy of the Incorporation, which supports the short and long term targets set by IATA.</p> <p>Thanks to the successful implementation of fuel efficiency projects since 2008, when the Fuel Saving Project started, the amount of fuel consumed per unit of transport activity has significantly decreased. Based on 2008, it is seen that by 2022, transport performance has increased by 1,143%, while fuel consumption has increased by 692%.</p> <p>By showing a performance above the target we set for the reporting period with the work have carried out, a total of 57,581 tonnes of aviation fuel, corresponding to 2,539,366 GJ of energy in 2022, was saved and 181,379 tonnes of CO<sub>2</sub> was reduced. Thus, the total amount of CO<sub>2</sub> avoided since 2008 has reached 2.1 million tonnes and fuel savings has reached 671,433 tonnes.</p> <p>The largest share in emission generation is scope 1 emissions from aviation fuel, which accounts for 99.7% of energy consumption. Therefore, increasing the use of SAF is directly aimed at reducing scope 1 emissions. Turkish Airlines actively uses sustainable aviation fuels in its operations and is also involved in various collaborations for the development of these fuels. Turkish Airlines is a signatory to the Global SAF Declaration, including Rolls-Royce and AIRBUS, and plans to maximise the use of SAF within the limits of technical, regulatory, safety and commercial viability.</p> <p>For more information please refer to: 2022 Sustainability Report, P.37-49, 87</p>

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<b>Greenhouse Gas Emissions</b>	TR-AL-110a.3	(1) Total fuel consumed (2) Percentage alternative fuel (3) Percentage sustainable fuel	In the reporting period, both aviation fuel consumption and other energy consumption increased in parallel with the increase in the number of flights compared to the previous year. In 2022, the share of aviation fuels in total energy consumption, which was 252,648,196 GJ, was 99.7%.  For more information please refer to: 2022 Sustainability Report, P.42-49, 87
<b>Labour Practices</b>	TR-AL-310a.1	Percentage of active workforce employed under collective agreements	Turkish Airlines' total direct employment in 2022 consists of 29,520 employees. 22,594 employees, corresponding to 76.5% of direct employment, work under collective bargaining agreement.  For more information please refer to: 2022 Sustainability Report, P.88
	TR-AL-310a.2	(1) Number of work stoppages (2) Total days idle	Number of Business Interruptions Due to Strike (number): 0  Number of Non-Working Days Due to Strike (number): 0 days  For more information please refer to: 2022 Sustainability Report, P.89
<b>Competitive Behaviour</b>	TR-AL-520a.1	Total amount of monetary losses as a result of legal proceedings associated with anti-competitive behaviour regulations	In the year 2022, no evidence of a violation of competition rules was found against Turkish Airlines. Furthermore, no administrative or legal sanctions related to the Competition Act were imposed on the Incorporation.  For more information please refer to: 2022 Sustainability Report, P.21

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<p><b>Accident &amp; Safety Management</b></p>	<p>TR-AL-540a.1</p>	<p>Description of implementation and outcomes of a Safety Management System</p>	<p>Flight Safety</p> <p>Flight safety is one of the main factors that are taken into account at the highest level in the process of formulating Turkish Airlines' strategic goals and action plans. The Incorporation was awarded the IOSA certificate of the International Air Transport Association (IATA) in 2005. The determination of flight safety processes and the activities performed in this field are carried out in accordance with the regulations of the International Civil Aviation Organization (ICAO), the European Aviation Safety Agency (EASA) and the Republic of Türkiye Ministry of Transport and Infrastructure Directorate General of Civil Aviation (DGCA).</p> <p>The main principles, processes and practices followed in flight safety activities are defined and implemented in Turkish Airlines Safety Policy and Safety Management System. The definitions and implementation principles of all activities carried out to ensure flight safety and to continuously improve implementation and performance are presented to the employees through the Safety Management Manual. Within the scope of the Safety Management System, safety programs specific to flight, dispatch, training, cabin, maintenance, catering, ground and cargo operations are implemented to ensure effective risk management.</p> <p>The activities carried out within the scope of the Safety Management System are under the responsibility of the Corporate Safety Directorate, which reports directly to the General Manager. However, the Safety Management System is structured to cover all levels of the organization and their interactions with the operational environment. Periodic meetings are organized with the participation of the General Manager and relevant managers from all levels of management in order to evaluate safety performance and continuously improve the Safety Management System in line with the Incorporation's safety policies and objectives. The Safety Review Board, Safety Action Group and Safety Representatives review the effectiveness of the activities and adequacy of risk measures at periodic meetings. Through the activities of these bodies, an environment is created for employees and business partners to contribute to the improvement of the Safety Management System. In 2022, in order to increase efficiency in Safety Action Group meetings, different meetings were organized for flight operations and maintenance and ground operations. An information panel consisting of the performance indicators of each operational area was created in order to provide accurate and continuous information to the members of the Board of Directors on safety performance. Thus, monthly updates ensure that safety performance is realized in line with policies and targets. With all these efforts, Turkish Airlines managed to achieve 98% of its safety targets in 2022.</p> <p>For more information please refer to: 2022 Sustainability Report, P.62-66</p>

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<b>Accident &amp; Safety Management</b>	TR-AL-540a.2	Number of aviation accidents	No aviation accident occurred during the reporting period. For more information please refer to: 2022 Sustainability Report, P64.
	TR-AL-540a.3	Number of governmental enforcement actions of aviation safety regulations	No sanctions for Non-Compliance with aviation safety regulations occurred during the reporting period. For more information please refer to: 2022 Sustainability Report, P.64
<b>Activity Metrics</b>	TR-AL-000.A	Available seat kilometres (ASK)	Total Available Seat Km (ASK) in 2022 is 201,735 million. For more information please refer to: 2022 Annual Report, P.50-52
	TR-AL-000.B	Passenger load factor	Turkish Airlines achieved a passenger load factor of 80.6% in 2022. For more information please refer to: 2022 Annual Report, P.51
	TR-AL-000.C	Revenue passenger kilometres (RPK)	Turkish Airlines achieved 162,665 million revenue passenger kilometers in 2022. For more information please refer to: 2022 Annual Report, P.51

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Activity Metrics	TR-AL-000.D	Revenue tonne-kilometres (RTK)	_*
	TR-AL-000.E	Number of departures	Turkish Airlines performed 472,707 landings in 2022, which is nearly identical with the number of departures.  For more information please refer to: 2022 Annual Report, P.51
	TR-AL-000.F	Average age of fleet	By the end of 2022, Turkish Airlines fleet reached 394 aircraft in total with 263 narrow-body, 110 wide-body aircraft and 21 cargo aircraft, with an average fleet age of 8.7 years. As a result of fleet modernization efforts, which were accelerated during the reporting period, the number of aircraft is targeted to reach 435 by the end of 2023.  For more information please refer to: 2022 Annual Report, P.54-56

\*Revenue Tonne-Kilometers (RTK) metric is currently not publicly disclosed

# Contacts

Every feedback we receive from you contributes to our strength...

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