

The **MiCA Crypto Alliance** has prepared an ESG Factsheet with mandatory, supplementary and optional MiCA-compliant indicators for Merlin Chain (MERL).

The **MiCA Crypto Alliance** enables L1 and L2 crypto asset projects, exchanges, and other CASPs to produce state-of-the-art, uniform, MiCA white papers and MiCA sustainability indicators, setting and following best practices.



Exchanges and other CASPs members of the Alliance receive a downloadable, multi-crypto asset file with sustainability indicators with values as the below.

Article 3(1) CDR 2025/422

*"Information that crypto-asset service providers are to make publicly available on their website (...)
It shall be in form of a downloadable file and presented in a way that is easy to read, with characters of readable size and a style of writing that facilitates its understanding and that facilitates comparisons"*

Mandatory Information on principal adverse impacts on the climate

N	Field	Content																
General Information																		
S.1	Name	FalconX Limited																
S.2	Relevant legal entity identifier	984500F6A0762F9LA923																
S.3	Name of the crypto-asset	Merlin Chain / MERL																
S.4	Consensus Mechanism	Zk-Rollup																
S.5	Incentive Mechanisms and Applicable Fees	<table border="1"> <tbody> <tr> <td>Token</td> <td>No</td> </tr> <tr> <td>Block Producer Rewards</td> <td>No</td> </tr> <tr> <td>Staking Rewards</td> <td>Yes</td> </tr> <tr> <td>Delegation Rewards</td> <td>No</td> </tr> <tr> <td>Tx Fees</td> <td>Yes</td> </tr> <tr> <td>Gas Fees</td> <td>Yes</td> </tr> <tr> <td>Tx Burn</td> <td>Yes</td> </tr> <tr> <td>Gov Rights</td> <td>Yes</td> </tr> </tbody> </table>	Token	No	Block Producer Rewards	No	Staking Rewards	Yes	Delegation Rewards	No	Tx Fees	Yes	Gas Fees	Yes	Tx Burn	Yes	Gov Rights	Yes
Token	No																	
Block Producer Rewards	No																	
Staking Rewards	Yes																	
Delegation Rewards	No																	
Tx Fees	Yes																	
Gas Fees	Yes																	
Tx Burn	Yes																	
Gov Rights	Yes																	
S.6	Beginning of the period to which the disclosure relates	2026-01-01																
S.7	End of the period to which the disclosure relates	2026-06-23																
Mandatory key indicator on energy consumption																		
S.8	Energy consumption	50,484,642.80797 kWh per calendar year																

N	Field	Content
General Information		
Sources and methodologies		
S.9	Energy consumption sources and methodologies	<p>Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node power draw are used.</p> <p>Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting</p>

Supplementary Information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

N	Field	Content
Supplementary key indicators on energy and GHG emissions		
S.10	Renewable energy consumption	30.2859601988%
S.11	Energy intensity	2.79956 kWh per transaction
S.12	Scope 1 DLT GHG emissions – controlled	0 t CO ₂ eq per calendar year
S.13	Scope 2 DLT GHG emissions – purchased	19,441.98485 t CO ₂ eq per calendar year
S.14	GHG intensity	1.07813 kg CO ₂ eq per transaction
Sources and methodologies		
S.15	Key energy source and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
S.16	Key GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting

Optional information on the principal adverse impacts on the climate and on other environment-related adverse impacts of the consensus mechanism

N	Field	Content																								
Optional Indicators																										
S.17	Energy mix	<table border="1"> <thead> <tr> <th>Energy source</th> <th>Percentage {DECIMAL-11/10}</th> </tr> </thead> <tbody> <tr> <td>Bioenergy</td> <td>1.8983654069%</td> </tr> <tr> <td>Coal</td> <td>28.0186783702%</td> </tr> <tr> <td>Flared Methane</td> <td>0.0000000000%</td> </tr> <tr> <td>Gas</td> <td>28.3642920492%</td> </tr> <tr> <td>Hydro</td> <td>12.6592712097%</td> </tr> <tr> <td>Nuclear</td> <td>12.3396383711%</td> </tr> <tr> <td>Other Fossils</td> <td>0.9914310107%</td> </tr> <tr> <td>Other Renewables</td> <td>0.3189723638%</td> </tr> <tr> <td>Solar</td> <td>6.4110858352%</td> </tr> <tr> <td>Vented Methane</td> <td>0.0000000000%</td> </tr> <tr> <td>Wind</td> <td>8.9982653833%</td> </tr> </tbody> </table>	Energy source	Percentage {DECIMAL-11/10}	Bioenergy	1.8983654069%	Coal	28.0186783702%	Flared Methane	0.0000000000%	Gas	28.3642920492%	Hydro	12.6592712097%	Nuclear	12.3396383711%	Other Fossils	0.9914310107%	Other Renewables	0.3189723638%	Solar	6.4110858352%	Vented Methane	0.0000000000%	Wind	8.9982653833%
		Energy source	Percentage {DECIMAL-11/10}																							
		Bioenergy	1.8983654069%																							
		Coal	28.0186783702%																							
		Flared Methane	0.0000000000%																							
		Gas	28.3642920492%																							
		Hydro	12.6592712097%																							
		Nuclear	12.3396383711%																							
		Other Fossils	0.9914310107%																							
		Other Renewables	0.3189723638%																							
		Solar	6.4110858352%																							
		Vented Methane	0.0000000000%																							
Wind	8.9982653833%																									
S.19	Carbon intensity	0.38511 kg CO ₂ eq per kWh																								
S.22	Generation of waste electrical and electronic equipment (WEEE)	6.71723 t per calendar year																								
S.23	Non-recycled WEEE ratio	66.4177211096%																								
S.24	Generation of hazardous waste	0.00336 t per calendar year																								

S.25	Generation of waste (all types)	6.71723 t per calendar year
S.26	Non-recycled waste ratio (all types)	66.4177211096%
S.27	Waste intensity (all types)	0.37250 g per transaction
S.29	Impact of the use of equipment on natural resources	Land use: 870,770.00399 m ²
S.31	Water use	172,254.30878 m ³ per calendar year
S.32	Non-recycled water ratio	68.7421793010%
Sources and methodologies		
S.33	Other energy sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
S.34	Other GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
S.35	Waste sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node weight, hazardous components and depreciation rate are used. Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting

S.36	Natural resources sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Usage of natural resources is approximated through land use metrics. Land use, water use and water recycling are calculated based on energy mix-specific estimates of purchased electricity land intensity, purchased electricity water intensity, and water recycling rates. Full methodology available at: www.micacryptoalliance.com/methodologies/mica-methodologies-for-standardized-sustainability-reporting
------	--	--

Disclaimer: This document is made available by the MiCA Crypto Alliance Limited ("MiCA Crypto Alliance"), trading as "The MiCA Crypto Alliance". MiCA Crypto Alliance does not provide any warranty of any kind, express or implied, including but not limited to warranties of accuracy, fitness for a particular purpose, compliance with any laws and/or non-infringement. MiCA Crypto Alliance also assumes no responsibility for any errors, defects, or omissions in the document. To the maximum extent permitted by applicable laws, MiCA Crypto Alliance will not be liable for any direct, indirect, incidental, special, consequential, or exemplary damages, including but not limited to, damages for loss of profits, goodwill, data, or other intangible losses arising out of or relating to any use and/or reliance on the information in this document, however arising, including negligence.