

Luxembourg, 19 November 2025

Environmental and Social Data Sheet

Overview

Project Name:	NOKIA 5G NEXT GENERATION RADIO RDI
Project Number:	2023-0603
Country:	Poland – Finland – France – Germany - Regional EU Countries
Project Description:	The project relates to the promoter's RDI investments to develop the next generation of communications equipment notably based on the "5G advanced" releases of the 3GPP (3 rd Generation Partnership Project) standards and will also include the first developments of the future 6G technology. The project will focus on radio access network equipment specifically and will include development of hardware (chipsets as well as baseband and radio modules) and software components.
EIA required:	no
InvestEU sustainability proofing required	no
Project included in Carbon Footprint Exercise ¹ :	no

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

Environmental and Social Assessment

Environmental Assessment

The project covers RDI activities for the development of telecommunications hardware- and software. The specific RDI activities included in the project are not expected to have any relevant environmental impact, as they will be carried out in existing facilities, without changing their already authorized scope. Such activities are not specifically listed in Annexes I and II of the EIA Directive 2011/92/EU as amended by Directive 2014/52/EU.

The equipment developed as a result of the RDI activities will be subject to regulations related to EMF (electromagnetic field) emissions. Studies are ongoing to further assess the potential long-term effects of use and exposure to radio communications equipment. So far mitigation measures adopted are limits to the radiation of the mobile base stations, restrictions to their locations, the control of the power of the handsets and guidelines for consumer usage. Many countries have decided to adopt the exposure limits recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), but others apply stricter limits. As the promoter has world-wide presence, its products are designed to comply with the EMF emissions regulations in all the jurisdictions, including the currently stringent ones.

¹ Only projects that meet the scope of the Carbon Footprint Exercise, as defined in the EIB Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: 20 000 tonnes CO₂e/year absolute (gross) or 20 000 tonnes CO₂e/year relative (net) – both increases and savings.

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The promoter's products and activities (including this project) comply with the RoHS2 Directive (Directive 2011/65/EU) and WEEE Directive (Directive 2012/19/EU) as well as other applicable international and local regulation.

One of the main objectives of the project is to improve the energy efficiency of the new generation of radio access network equipment, leading to substantial reduction in energy consumption in equivalent capacity and conditions. In this respect, the promoter has set target of up to 35% energy efficiency improvement, enabled by new developments in hardware and software components as a result of the project.

The project is fully aligned with the Paris Agreement on climate change according to the Bank's definition (Annex 2 Table H of EIB's climate bank roadmap - CBR).

EIB Paris Alignment for Counterparties (PATH) Framework

As a corporate, the counterpart is in scope but screened out of the PATH Framework because it is neither a high emitting nor a highly vulnerable entity.

Other Environmental and Social Aspects

Nokia has an ISO 14001 certified Environmental Management System in place to identify environmental aspects and impacts and related risks and opportunities, which are reviewed annually. Nokia also requires its suppliers to have a documented Environmental Management System which satisfies the requirements of ISO 14001 or other equivalent internationally recognized standards.

Nokia is a signatory of the UN Global Compact since 2001 and prepares an annual Sustainability Statement in accordance with the provisions of the EU Corporate Sustainability Reporting Directive and the European Sustainability Reporting Standards.

To assist its clients in recycling and reusing legacy equipment, Nokia has an Asset Recovery program. In 2024, the promoter took back from clients 46,378 pieces of equipment, resulting in reuse of 304 tons of materials and recycling of 682 tons.

Conclusions and Recommendations

The proposed investments will take place inside buildings at existing R&D centres without changing their already authorized scope and are not expected to have a significant environmental impact. The promoter complies with all relevant regulations and recommendations related to its business. The project is expected to result in a significant energy efficiency improvement of the radio access network equipment designed and produced by the promoter.

Sustainability proofing conclusion: The project is carried out in compliance with applicable national and EU environmental and social legislation. Based on the environmental, climate and social information and based on the review of the likely significant environmental, climate and social risks and impacts and the mitigation measures and management systems in place, the project is deemed to have low residual environmental, climate and social risks and impacts. No further sustainability proofing is therefore required.

Considering the above, the project is acceptable for the Bank's financing in environmental and social terms.