



Luxembourg, 11 December 2024

## Environmental and Social Completion Sheet (ESCS)<sup>1</sup>

### Overview

Project Name:	PLAY P4 NETWORK DEVELOPMENT 5G
Project Number:	2018-0493
Country:	Poland
Project Description:	The project concerns investments in the capacity expansion and technological upgrade of the promoter's mobile network towards an ultra-high speed broadband services capable platform.

### Summary of Environmental and Social Assessment at Completion

**EIB notes the following Environmental and Social performance and key outcomes at Project Completion.**

#### *Environmental Assessment*

The project mainly consisted in the construction of new access network sites of a mobile network in dense areas, in rural areas and alongside motorways and railroads during years 2021-2024.

The promoter is experienced in mitigating the visual impact through specific measures or the use of site sharing possibilities when possible. A significant part of new sites were built on 60-metres-high steel towers. Such a type of installation required the promoter to launch an EIA process, which receives in general a screened-out conclusion by the relevant authorities, even in protected areas (Natura 2000). These approvals are indeed required before obtaining a building permit on a per site basis. Since the promoter was able to build a significant number of new sites for which it required a building permit, we can infer that these new sites met Polish environmental requirements.

The promoter works to improve energy efficiency in its infrastructure. It is one of the key criteria in its procurement process. Energy efficiency measures implemented in the promoter's network include

- Optimising the site location selection process to maximise user coverage per base station.
- Downloading, monitoring and analysing energy consumption per base station, and adapting the configuration of each individual base station to ensure energy efficiency in relation to the amount of data transferred. Mobile site amplifiers are turned off if there is no need to transfer data.
- Using modern equipment (such as the DSS equipment purchased for this project), which allows to support multiple frequency bands with a single device, which allows to reduce energy consumption.
- Using passive cooling systems, which also helps to reduce energy consumption.

<sup>1</sup> The template is for ILs and FLs



Luxembourg, 11 December 2024

### ***EIB Carbon Footprint Exercise***

The project included the installation of new equipment in existing sites (upgrades) as well as roll-out of new sites in the promoter's mobile network. In total, more than 10 000 new pieces of equipment operating in different frequency bands were installed. There was no replacement of outdated equipment included. All emissions were additional to the existing ones and were estimated at 121.6 kt CO<sub>2</sub> equ./year.

### ***Other Environmental and Social Aspects***

The promoter applied a rigorous approach and monitoring procedures to mitigate any Health & Safety (H&S) risks during construction, and more generally in its day-to-day operations. All contracts with subcontractors for work at heights contained provisions on H&S requirements, such as medicine exams, H&S trainings and adequate personal protective equipment (PPE). Random controls and sites inspections are organised to verify that employees of subcontractors follow the regulations. Employees performing particularly hazardous work at heights are provided with additional annual specialist training.

Gender equality, equal ease of access to resources and opportunities regardless of gender are domains that are seriously taken into consideration by the promoter. The company has a gender-neutral employment policy, and claims it follows best practices for gender equality.

### **Summary opinion of Environmental and Social aspects at completion:**

EIB is of the opinion based on reports from the promoter during Construction that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.