



European Investment Bank (EIB)

Luxembourg, 7 December 2020

Environmental and Social Completion Sheet (ESCS)

Overview

Project Name:	TELEFONICA BROADBAND	DEUTSCHLAND	MOBILE
Project Number:	2015-0442		
Country:	Germany		
Project Description:	The project concerned the investments in the consolidation, modernisation and expansion of the promoter's mobile access network triggered by the acquisition of the competitor E-Plus. The new network is optimized with significantly better network quality through increased coverage of 4G and enabling a wider provision of advanced mobile broadband services in Germany.		

Summary of Environmental and Social Assessment at Completion

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

The project related to investments in mobile network infrastructure, which is using a radio-based technology with electromagnetic emissions. In Germany, the exposure limits in respect to these emissions, are stipulated by the EU recommendation (1999/519/EC based on the ICNIRP principles) and have been implemented for the frequency bands used by mobile Telecommunication networks.

The impact during implementation was limited as the vast majority of new equipment was put on existing sites and replaced often old and less efficient equipment. The main impact during operation, such as the radiation emissions or the visual detracting, are mitigated by appropriate construction and operation measures within the national regulations. In addition the merger of the two network resulted in a significantly reduction of the emission levels due to the switch-off of many redundant sites.

The project activities did not fall under Annexes I and II of the 2014/52/EU amending the EIA Directive 2011/92/EU, and were therefore not subject to an Environmental Impact Assessments (EIA).



European Investment Bank (EIB)

Luxembourg, 7 December 2020

EIB Carbon Footprint Exercise (outturn emissions after project implementation):

For the annual accounting purposes of the EIB Carbon Footprint, the project emissions will be prorated according to the EIB lending amount signed in that year, as a proportion of project cost.

In general, the absolute CO₂ emissions of this project are above the EIB's reporting levels at the time of approval and even more so today. The reasons for these high emissions are that the network is really large and the investment program concerns the renewal of nearly the entire mobile network. On the other side, the final network size is smaller in terms of sites compared to the approval plans. In addition, the German grid factor has improved since the loan approval. Therefore, the outturn annual emissions of the project after the implementation are significantly lower than calculated at appraisal:

- absolute (gross): 100.5 kT CO₂e/year
- relative (net): -33.5 kT CO₂e/year

Furthermore, no significant environment or social issues were noted.

Summary opinion of Environmental and Social aspects at completion:

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