

## **PDEOZE PowerContainer**

# **Estonia s regulations on installing green base stations for communications**



## Overview

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Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

What is the Estonian Broadband Plan 2030?

The Estonian Broadband Plan 2030 describes actions to achieve goals set by the Estonia's Digital Agenda 2030. The process of digital connectivity deployment is managed by the Ministry of Justice and Digital Affairs (Justiits- ja Digiministerium). The Ministry is responsible for digital connectivity strategy and legislation.

How are radio frequencies allocated to the Defence Forces of Estonia?

(1) The procedure and technical requirements for the use of radio frequencies allocated for exclusive use to the Defence Forces of Estonia shall be established by a regulation of the minister responsible for the area in accordance with the Radio Regulations annexed to the Constitution and Convention of the International Telecommunications Union.

What is the vision for telecommunications in Estonia?

To implement the vision, three specific goals have been set: By 2030, ultrafast, reliable and affordable telecommunications connections should be available in Estonia irrespective of the location, making it possible to create and use innovative services. All should have access to connections of at least 100 Mbps which can be increased up to 1 Gbps.

What is Estonia's Digital Agenda 2030?

Estonia's Digital Agenda 2030 was adopted on 7 October 2021. The strategy is

in line with the Gigabit Society connectivity targets. The overall objective of the strategy is to achieve high-speed, reliable, and affordable electronic communications connections in the country by 2030, irrespective of the location.

Who grants a Frequency Authorisation to the Defence Forces of Estonia?

The Technical Surveillance Authority shall grant the specified frequency authorisation to the Defence Forces of Estonia as a priority.

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