

**Cover form to be attached to responses  
to a public consultation  
regarding the postal sector**

**GENERAL INFORMATION**

Title and date of the consultation:

Consultation on radio interfaces related to devices using the ultra wideband technology (UWB)

TO (natural persons designated as contact persons within BIPT in the document that is submitted for consultation):

Philippe Appeldoorn

Name of the legal person answering:

Ultra Wide Band (UWB) Alliance

Natural person acting as contact person for the respondent:

Tim Harrington

**CONFIDENTIALITY OF THE DATA**

The following information is considered to be confidential by the respondent (tick off what is applicable):


- Nihil
- The identity of the legal person answering
- The identity of the natural person acting as contact person for the respondent
- Certain parts of the answer

In the latter case the respondent needs to provide a public and confidential version of his contribution.  
In the confidential version the confidential parts shall be identified in the body of the text.

In case of conflicts between this form and a statement in the answer (in particular the standard mention regarding confidentiality in e-mails), the respondent recognises that BIPT only needs to take into account this form.

**WARNING**

It is in the interest of the respondent to provide for an exhaustive and accurate list of the confidential information in order to avoid that information from being made public in the context of the publication of the results of the public consultation. The respondents shall, however, only mark as confidential that information that is truly confidential as BIPT has the possibility to contest the confidential nature of the information by virtue of Article 23, § 3, of the Act of 17 January 2003 on the status of the regulator of the Belgian postal and telecommunications sectors.

**NAME, DATE AND SIGNATURE**



**Comments of the**

**Ultra Wide Band (UWB) Alliance**

**to the**

**Belgian Institute for Postal Services and Telecommunications**

**Regarding**

**The Consultation on Radio Interfaces Related to Devices Using**  
**Ultra-Wideband Technology**

November 1, 2024

***About the UWB Alliance***

*The Ultra Wide Band (UWB) Alliance is a global not-for-profit organization that works to collectively establish ultra-wideband (UWB) technology as an open-standards industry. A coalition made up of vendors that either design, manufacture, or sell products that use ultra-wideband technology, the UWB Alliance aims to promote and preserve the current allocation of bandwidth as well as promote the continuing globalization of the technology. As part of our mission, we advocate UWB technology and use cases to promote verticals showing the value of UWB for IoT and Industry 4.0 and to build a global ecosystem across the complete UWB value chain, from silicon to service. In addition, the Alliance is promoting and assuring interoperability through its work with Standards Development Organizations such as the IEEE and ETSI and then working with members to define upper layers and testing to assure compliance. For more information, please visit us at [www.UWBAlliance.org](http://www.UWBAlliance.org).*

Dear Mr. Appeldoorn,

The UWB Alliance appreciates the opportunity to submit comments to the Belgian Institute for Postal Services and Telecommunications (BIPT) Consultation on radio interfaces related to devices using ultra-wideband (UWB) technology.

UWB is the only technology that can provide secure distance bounding, making it indispensable for preventing relay attacks in vehicle access systems and other security-critical applications. This distinctive security feature, combined with its superior spatial accuracy and low latency, has driven widespread adoption by leading vehicle manufacturers and smartphone producers.

A key advantage of UWB technology lies in its ability to operate effectively within spectrum already allocated to other radio technologies without causing harmful interference, due to its low power spectral density characteristics. In an era of increasing spectrum scarcity and growing demand for wireless services, UWB's inherent spectrum-sharing capabilities represent an exemplary model for efficient spectrum utilization.

By harmonizing its regulations with the latest revision of ECC Decision (06)04, BIPT will facilitate the continued growth of the UWB ecosystem while maintaining appropriate technical parameters to ensure coexistence with other services. The UWB Alliance strongly endorses the proposed updates to the radio interfaces as they align with international best practices and support innovation in the Belgian market. We also hope UWB can count on the support of BIPT for unlicensed wireless in the discussions regarding the possible entry of IMT in 7125-8400 MHz.

Respectfully submitted,

Tim Harrington  
President  
Ultra Wide Band (UWB) Alliance