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NOTE

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| From: | Presidency |
| To: | Delegations |
| Subject: | Proposal for a directive of the European Parliament and of the Council amending Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (common charger) |

In view of the meeting of Working Party on Technical Harmonisation (Radio Equipment) on 22 June 2022, delegations will find in Annex to this note a 4-column document with Presidency compromise proposals.

Proposal for a directive of the European Parliament and of the Council

Amending Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (common charger)

Cell in green: The text can be deemed as already agreed

Cell in yellow: The issue needs further discussion at technical level

Cell in red: The issue needs further discussion in depth at the trilogue meetings

Note:

Differences between the EP's position and the Commission's proposal are highlighted in Bold/Italics.

Differences between the Council's position and the Commission's proposal are highlighted in Bold/Italics and underlined. Deletions are marked in strike-through.

| Row | Location | COMMISSION | EP Mandate | COUNCIL –1 June 2022 | Final compromise text |
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| 1. | Recital 1 | One of the objectives of Directive 2014/53/EU of the European Parliament and of the Council ¹ is to guarantee the proper functioning of the internal market. Pursuant to Article 3(3), point (a), of that Directive, one of the essential requirements that radio equipment must fulfil is that it interoperates with accessories, in particular with common | One of the objectives of Directive 2014/53/EU of the European Parliament and of the Council ² is to guarantee the proper functioning of the internal market. Pursuant to Article 3(3), point (a), of that Directive, one of the essential requirements that radio equipment must fulfil is that it interoperates with accessories, in particular with common | One of the objectives of Directive 2014/53/EU of the European Parliament and of the Council ³ is to guarantee the proper functioning of the internal market. Pursuant to Article 3(3), point (a), of that Directive, one of the essential requirements that radio equipment must fulfil is that it interoperates with accessories, in particular with common | One of the objectives of Directive 2014/53/EU of the European Parliament and of the Council ⁴ is to guarantee the proper functioning of the internal market. Pursuant to Article 3(3), point (a), of that Directive, one of the essential requirements that radio equipment must fulfil is that it interoperates with accessories, in particular with common |

¹ Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC (OJ L 153, 22.5.2014, p. 62).

² Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC (OJ L 153, 22.5.2014, p. 62).

³ Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC (OJ L 153, 22.5.2014, p. 62).

⁴ Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC (OJ L 153, 22.5.2014, p. 62).

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| | | chargers. In that respect, recital (12) of Directive 2014/53/EU indicates that the interoperability between radio equipment and accessories such as chargers simplifies the use of radio equipment and reduces unnecessary waste and costs. | chargers. In that respect, recital (12) of Directive 2014/53/EU indicates that the interoperability between radio equipment and accessories such as chargers simplifies the use of radio equipment and reduces unnecessary waste and costs <i>and that developing a common charger for particular categories or classes of radio equipment is necessary, particularly for the benefit of consumers and other end-users.</i> | chargers. In that respect, recital (12) of Directive 2014/53/EU indicates that the interoperability between radio equipment and accessories such as chargers simplifies the use of radio equipment and reduces unnecessary waste and costs. | chargers. In that respect, recital (12) of Directive 2014/53/EU indicates that the interoperability between radio equipment and accessories such as chargers simplifies the use of radio equipment and reduces unnecessary waste and costs <u>and that developing a common charger for particular categories or classes of radio equipment is necessary, in particular for the benefit of consumers and other end-users.</u> |
| 2. | Recital 2 | Since 2009, efforts have been deployed at Union level to limit | Since 2009, efforts have been deployed at Union level to limit | Since 2009, efforts have been deployed at Union level to | Since 2009, efforts have been deployed at Union level to |

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| | <p>the fragmentation of the charging interfaces for mobile phones and similar items of radio equipment. Recent voluntary initiatives do not fully meet Union policy objectives to reduce electronic waste (e-waste), ensure consumer convenience and avoid fragmentation of the market for charging devices.</p> | <p>the fragmentation of the charging interfaces for mobile phones and similar items of radio equipment. Recent <i>Regrettably,</i> voluntary initiatives do, <i>although having increased the level of standardisation of charging devices and decreased the number of charger types available on the market, did not fully</i> meet Union policy objectives to reduce electronic waste (e-waste), ensure consumer convenience and avoid fragmentation of the market for charging devices. <i>To date, there are no voluntary commitments or binding requirements on common chargers or charging</i></p> | <p>limit the fragmentation of the charging interfaces for mobile phones and similar items of radio equipment. Recent voluntary initiatives do not fully meet Union policy objectives to reduce electronic waste (e-waste), ensure consumer convenience and avoid fragmentation of the market for charging devices.</p> | <p>limit the fragmentation of the charging interfaces for mobile phones and similar items of radio equipment. Recent voluntary initiatives, <u>although having increased the level of convergence of charging devices and decreased the number of charging solutions available on the market,</u> do not fully meet Union policy objectives to reduce electronic waste (e-waste), ensure consumer convenience and avoid fragmentation of the market for charging devices.</p> |
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| | | | <p><i>interfaces for mobile phones or other similar portable devices. A comprehensive approach at Union level is needed to address the risks related to the continued market fragmentation, to minimise the environmental impact of portable devices' chargers and to empower consumers by providing them with a sustainable choice when buying such products.</i></p> | | |
| 3. | Recital 2a (new) | | <p><i>The European Parliament has repeatedly called for the introduction of a common charger and, in January 2020, adopted a resolution on a common charger for mobile radio equipment stressing that</i></p> | | |

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| | | <p><i>there is an urgent need for Union regulatory action for a common charger for mobile phones and other small and medium-sized radio equipment devices in order to reduce e-waste, to empower consumers to make sustainable choices, and to allow consumers to participate fully in an efficient and well-functioning internal market. That resolution also highlights the importance of research and innovation in this domain to improve existing technologies and to develop new ones and the need for a regular scrutiny of the legislative framework for a common charger in order to take into account technical</i></p> | | |
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| | | | <i>progress.</i> | | |
| 4. | Recital 3 | The Union is committed to boosting the efficient use of resources by moving to a clean, circular economy through the introduction of initiatives such as Directive 2012/19/EU of the European Parliament and of the Council ⁵ and more recently through the introduction of the European Green Deal. This Directive aims to reduce the e-waste generated by the sale of radio equipment and to reduce the extraction of raw materials and the CO ₂ emissions generated by the production, transportation and disposal of | The Union is committed to boosting the efficient use of resources by moving to a clean, circular economy through the introduction of initiatives such as Directive 2012/19/EU of the European Parliament and of the Council ⁶ and more recently through the introduction of the European Green Deal. This Directive aims to reduce the e-waste generated by the sale of radio equipment and to reduce the extraction of raw materials and the CO ₂ emissions generated by the production, | The Union is committed to boosting the efficient use of resources by moving to a clean, circular economy through the introduction of initiatives such as Directive 2012/19/EU of the European Parliament and of the Council and more recently through the introduction of the European Green Deal. This Directive aims to reduce the e-waste generated by the sale of radio equipment and to reduce the extraction of raw materials and the CO ₂ emissions generated by the production, | The Union is committed to boosting the efficient use of resources by moving to a clean, circular economy through the introduction of initiatives such as Directive 2012/19/EU of the European Parliament and of the Council and more recently through the introduction of the European Green Deal. This Directive aims to reduce the e-waste generated by the sale of radio equipment and to reduce the extraction of raw materials and the CO ₂ emissions generated by the production, |

⁵ Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) (OJ L 197, 24.7.2012, p. 38).

⁶ Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) (OJ L 197, 24.7.2012, p. 38).

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| | | chargers, thereby promoting a circular economy. | transportation and disposal of chargers, thereby promoting a circular economy. | transportation and disposal of chargers, thereby promoting a circular economy. | transportation and disposal of chargers, thereby promoting a circular economy. |
| 5. | Recital 4 | The Commission's Circular Economy Action Plan provided for initiatives along the entire life cycle of products, targeting their design, promoting circular economy processes, fostering sustainable consumption, and aiming to ensure that the resources used are kept in the Union economy for as long as possible. | The Commission's Circular Economy Action Plan provided for initiatives along the entire life cycle of products, targeting their design, promoting circular economy processes, fostering sustainable consumption, and aiming to ensure that the resources used are kept in the Union economy for as long as possible. | The Commission's Circular Economy Action Plan provided for initiatives along the entire life cycle of products, targeting their design, promoting circular economy processes, fostering sustainable consumption, and aiming to ensure that the resources used are kept in the Union economy for as long as possible. | The Commission's Circular Economy Action Plan provided for initiatives along the entire life cycle of products, targeting their design, promoting circular economy processes, fostering sustainable consumption, and aiming to ensure that the resources used are kept in the Union economy for as long as possible. |
| 6. | Recital 5 | The Commission completed an impact assessment study, which has shown that the internal | The Commission completed an impact assessment study, which has shown confirmed | The Commission completed an impact assessment study, which has shown that the | The Commission completed an impact assessment study, which has shown that the |

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| | | market is not exploiting its full potential as continuing fragmentation of the market for charging interfaces and charging communication protocols for mobile phones and other similar radio equipment results in a lack of consumer convenience and an increase in e-waste. | that the internal market is not exploiting its full potential as continuing fragmentation of the market for, charging interfaces and charging communication protocols for mobile phones and other similar radio equipment results in a lack of consumer convenience and an increase in e-waste. | internal market is not exploiting its full potential as continuing fragmentation of the market for charging interfaces and charging communication protocols for mobile phones and other similar radio equipment results in a lack of consumer convenience and an increase in e-waste. | internal market is not exploiting its full potential as continuing fragmentation of the market for charging interfaces and charging communication protocols for mobile phones and other similar radio equipment results in a lack of consumer convenience and an increase in e-waste. |
| 7. | Recital 6 | The interoperability between radio equipment and accessories such as chargers is hampered as there are different charging interfaces for certain categories or classes of radio equipment that use wired charging such as handheld mobile phones, tablets, digital | The interoperability between radio equipment and accessories such as chargers is hampered as there are different charging interfaces for certain diverse categories or classes of small and medium-sized radio equipment that use wired charging such as handheld | The interoperability between radio equipment and accessories such as chargers is hampered as there are different charging interfaces for certain categories or classes of radio equipment that use wired charging such as handheld mobile phones, tablets, digital | The interoperability between radio equipment and accessories such as chargers is hampered as there are different charging interfaces for certain categories or classes of radio equipment that use wired charging such as handheld mobile phones, tablets, digital |

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| | cameras, headphones or headsets, handheld videogame consoles and portable speakers. In addition, there are several types of fast charging communication protocols for which a minimum level of performance is not always guaranteed. As a result, Union action is required to promote a common degree of interoperability and the provision of information relating to the charging characteristics of radio equipment to end-users. It is therefore necessary to introduce suitable requirements in Directive 2014/53/EU regarding the charging communication protocols, the | mobile phones, tablets, digital cameras, headphones or headsets, handheld videogame consoles and portable speakers. In addition, there are several types of fast charging communication protocols for which a minimum level of performance is not always guaranteed. As a result, Union action is required to promote a common degree of interoperability <i>and fast charging functionality</i> and the provision of information relating to the <i>power delivery</i> <i>and</i> charging characteristics of radio equipment to end-users, <i>so that they are adequately informed.</i> It is therefore necessary to introduce suitable | <u>photo/video</u> cameras <u>not intended for professional use</u> , headphones or headsets, handheld videogame consoles and portable speakers. In addition, there are several types of fast charging communication protocols for which a minimum level of performance is not always guaranteed. As a result, Union action is required to promote a common degree of interoperability and the provision of information relating to the charging characteristics of radio equipment to <u>consumers and other</u> end-users. It is therefore necessary to introduce suitable requirements in Directive | photo/video cameras not intended for professional use , headphones or headsets, handheld videogame consoles, and portable speakers, <u>e-readers, keyboards, mice, portable navigation systems, earbuds and laptops.</u> In addition, there are several types of fast charging communication protocols for which a minimum level of performance is not always guaranteed. As a result, Union action is required to promote a common degree of interoperability and the provision of information relating to the charging characteristics of radio equipment to <u>consumers and</u> |
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| | | <p>charging interface (i.e. charging receptacle) of certain categories or classes of radio equipment, as well as the information to be provided to end-users regarding the charging characteristics of those categories or classes of radio equipment.</p> | <p>requirements in Directive 2014/53/EU regarding the charging communication protocols, the charging interface (i.e. charging receptacle) of certain categories or classes of radio equipment <i>operating with power delivery of up to 100 Watts</i>, as well as the information to be provided to end-users regarding the charging characteristics of those categories or classes of radio equipment, <i>such as information about the minimum and maximum wattage range or the charging speeds, including guidance on what type of charger works best with specific categories or</i></p> | <p>2014/53/EU regarding the charging communication protocols, the charging interface (i.e. charging receptacle) of certain categories or classes of radio equipment, as well as the information to be provided to <u>consumers and other</u> end-users regarding the charging characteristics of those categories or classes of radio equipment.</p> | <p><u>other</u> end-users. It is therefore necessary to introduce suitable requirements in Directive 2014/53/EU regarding the charging communication protocols, the charging interface (i.e. charging receptacle) of certain categories or classes of radio equipment, as well as the information to be provided to <u>consumers and other</u> end-users regarding the charging characteristics of those categories or classes of radio equipment, <u>such as information about the minimum and maximum power required to charge the radio equipment. The minimum power should</u></p> |
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| | | | <i>classes of radio equipment, so that end-users can easily understand which chargers they can use with which radio equipment device.</i> | | <u>express the sum of the power required by the radio equipment to maintain operation and the minimum power required by its battery to start charging. The maximum power should express the sum of the power required by the radio equipment to maintain operation and the power required to achieve the maximum charging speed.</u> |
| 8. | Recital 7 | The absence of harmonisation in this area may lead to substantial differences between the Member States' laws, regulations, administrative provisions or practices on the interoperability of mobile | The absence of harmonisation in this area may lead to substantial differences between the Member States' laws, regulations, administrative provisions or practices on the interoperability of mobile | The absence of harmonisation in this area may lead to substantial differences between the Member States' laws, regulations, administrative provisions or practices on the interoperability of mobile | The absence of harmonisation in this area may lead to substantial differences between the Member States' laws, regulations, administrative provisions or practices on the interoperability of mobile |

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| | | phones and similar categories or classes of radio equipment with their charging devices, and on the supply of radio equipment without charging devices. | phones and similar categories <i>or and</i> classes of <i>small and medium-sized</i> radio equipment with their charging devices, and on the supply of radio equipment without charging devices. | phones and similar categories or classes of radio equipment with their charging devices, and on the supply of radio equipment without charging devices. | phones and similar categories or classes of radio equipment with their charging devices, and on the supply of radio equipment without charging devices. |
| 9. | Recital 8 | The size of the internal market in rechargeable mobile phones and similar categories or classes of radio equipment, the proliferation of different types of charging devices for such radio equipment and the significant cross-border trade of those products calls for stronger legislative action at Union level rather than either national level or voluntary measures, so as to achieve the | The size of the internal market in rechargeable mobile phones and similar <i>other</i> categories or classes of <i>small and medium-sized</i> radio equipment, the proliferation of different types of charging devices for such radio equipment, <i>lack of interoperability and poor safety requirements, costs of adaptors for proprietary connectors, insufficient durability of chargers, cables</i> | The size of the internal market in rechargeable mobile phones and similar categories or classes of radio equipment, the proliferation of different types of charging devices for such radio equipment and the significant cross-border trade of those products calls for stronger legislative action at Union level rather than either national level or voluntary measures, so as to achieve the | The size of the internal market in rechargeable mobile phones and similar categories or classes of radio equipment, the proliferation of different types of charging devices for such radio equipment, <u>lack of interoperability</u> and the significant cross-border trade of those products calls for stronger legislative action at Union level rather than either national level or voluntary |

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| | | smooth functioning of the internal market. | <i>and ports, unpredictable charging times, failed or lost chargers for certain electronic devices</i> and the significant cross-border trade of those products calls for stronger legislative action at Union level rather than either national level or voluntary measures , so as to achieve the smooth functioning of the internal market, <i>better consumer and environmental protection, and to ensure a flexible and future-proof approach that will not prevent development of the new charging solutions and will not lead to the technological lock-in effect.</i> | smooth functioning of the internal market. | measures, so as to achieve the smooth functioning of the internal market <u>while reducing environmental waste and ensuring consumer convenience.</u> |
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| 10. | Recital 9 | <p>It is therefore necessary to harmonise the charging interface and charging communication protocols for specific categories or classes of radio equipment that are recharged via wired charging. It is also necessary to provide the basis for adaption to any future technological progress by introducing a harmonisation of the charging interfaces and the charging communication protocols with respect to radio equipment that may be charged via any means other than wired charging including charging via radio waves (wireless charging). Such harmonisation should reduce environmental waste, ensure consumer</p> | <p>It is therefore necessary to harmonise the charging interface and charging communication protocols for specific categories or classes of radio equipment <i>that are operating with power delivery of up to 100 Watts and</i> are recharged via wired charging. <i>The Commission should regularly assess all the categories or classes of radio equipment that are capable of being equipped with the USB Type-C receptacle, and harmonise their charging interface and charging communication protocols, whenever it would not disproportionately reduce the technical capabilities of</i></p> | <p>It is therefore necessary to harmonise the charging interface and charging communication protocols for specific categories or classes of radio equipment that are recharged via wired charging. It is also necessary to provide the basis_____for <u>adaptation</u>adaption to any future technological progress <u>or market developments, which will be continuously monitored by the Commission. In particular, by_____the introducing introduction of_____a</u> harmonisation of the charging interfaces and the charging communication protocols <u>should in the future also be</u></p> | <p>It is therefore necessary to harmonise the charging interface and charging communication protocols for specific categories or classes of radio equipment that are recharged via wired charging. It is also necessary to provide the basis_____for <u>adaptation</u>adaption to any future <u>scientific and</u> technological progress <u>or market developments, which will be continuously monitored by the Commission. In particular, by_____the introducing introduction of_____a</u> harmonisation of the charging interfaces and the charging communication protocols</p> |
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| | <p>convenience and avoid fragmentation of the market among different charging interfaces and charging communication protocols as well as among any initiatives at national level, which might cause barriers to trade in the internal market.</p> | <p><i>the device and is technically feasible.</i> It is also necessary to provide the basis for adaption adaptation to any future scientific and technological progress, or consumer convenience and environmental developments by introducing a harmonisation and minimum common interoperability of the charging interfaces and the charging communication protocols with respect to radio equipment that may be charged via any means other than wired charging including charging via radio waves (wireless charging) by 31 December 2026. To that end, the Commission should</p> | <p>considered with respect to radio equipment that may be charged via any means other than wired charging including charging via radio waves (wireless charging). Such harmonisation should reduce environmental waste, ensure consumer convenience and avoid fragmentation of the market among different charging interfaces and charging communication protocols as well as among any initiatives at national level, which might cause barriers to trade in the internal market. <u>The future adaptation of the harmonisation should continue to pursue these objectives by ensuring that it</u></p> | <p><u>should in the future also be</u> considered with respect to radio equipment that may be charged via any means other than wired charging including charging via radio waves (wireless charging). <u>Furthermore, the inclusion of additional categories or classes or radio equipment that are recharged via wired charging should be systematically considered in the context of the future adaptation of the harmonised solution, provided that the integration of the harmonised solution for such additional categories or classes of radio equipment is technically</u></p> |
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| | | | <p><i>evaluate and effectively compare the efficiency of different wireless charging technologies and ensure interoperability of the charging interface and fast charging protocols for wireless charging. Such harmonisation should ensure that the technology using other means than wired charging is not less energy efficient and safe and that it is interoperable and capable of quickly charging different categories or classes of small and medium-sized radio equipment. Such an approach would help</i> reduce environmental waste, ensure consumer convenience and</p> | <p><u>incorporates the most appropriate technical solutions for the wired and wireless charging interfaces and charging communication protocols.</u></p> <p><u>The harmonised technical solutions should reflect the most appropriate combination between the market acceptance as well as the objectives of reduction of environmental waste, consumer convenience and avoidance of market fragmentation. Relevant technical standards fulfilling the objectives above and having been developed at European or international</u></p> | <p><u>feasible.</u> Such harmonisation should <u>pursue the objectives of</u> reducing environmental waste, ensuring consumer convenience and avoiding fragmentation of the market among different charging interfaces and charging communication protocols as well as among any initiatives at national level, which might cause barriers to trade in the internal market. <u>The future adaptation of the harmonisation should continue to pursue these objectives by ensuring that it incorporates the most appropriate technical solutions for</u> the wired and wireless <u>charging interfaces</u></p> |
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| | | | <p>avoid <i>lock-in effects with proprietary charging solutions and</i> fragmentation of the market among different charging interfaces and charging communication protocols as well as among any initiatives at national level, which might cause barriers to trade in the internal market.</p> | <p><u>level should primarily be used for the selection of such technical solutions. In exceptional cases where there is a need to introduce, add or modify an existing technical specification in the absence of publicly available European or international standards that fulfill the objectives mentioned above, the Commission should be able to reference other technical specifications, provided that these have been developed in line with the criteria of openness, consensus and transparency, and that they meet the requirements of neutrality and stability, as referred to</u></p> | <p><u>and charging communication protocols for any means of charging (wired and wireless).</u></p> <p><u>The harmonised technical solutions should reflect the most appropriate combination between the market acceptance as well as the objectives of reductionreducing of environmental waste, ensuring consumer convenience and avoidanceavoiding of market fragmentation. Relevant technical standards fulfilling the objectives above and having been developed at European or international</u></p> |
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| | | | | <p><u>in Annex II of Regulation (EU) No 1025/2012 on European Standardisation. All the relevant sectoral stakeholders represented in the Commission Expert Group on Radio Equipment should be involved in the process throughout the adaptation of the harmonisation.</u></p> | <p><u>level should primarily be used for the selection of such technical solutions. In exceptional cases where there is a need to introduce, add or modify an existing technical specification in the absence of publicly available European or international standards that fulfil the objectives mentioned above, the Commission should be able to reference—set out other technical specifications, provided that these have been developed in line with the criteria of openness, consensus and transparency, and that they meet the requirements of neutrality and stability, as</u></p> |
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| | | | | | <u>referred to in Annex II of Regulation (EU) No 1025/2012 on European Standardisation. All the relevant sectoral stakeholders represented in the Commission Expert Group on Radio Equipment should be involved in the process throughout the adaptation of the harmonisation.</u> |
| 11. | Recital 10 | Such harmonisation would be however incomplete, if it is not combined with requirements regarding the combined sale of radio equipment and their chargers and information to be provided to end-users. A fragmentation of approaches | Such harmonisation would be however incomplete, if it is not combined with requirements regarding the combined sale of radio equipment and their chargers and <i>mandatory</i> information to be provided to end-users | Such harmonisation would be however incomplete, if it is not combined with requirements regarding the combined sale of radio equipment and their chargers and information to be provided to <u>consumers and other</u> end-users. A | Such harmonisation would be however incomplete, if it is not combined with requirements regarding the combined sale of radio equipment and their chargers and information to be provided to <u>consumers and other</u> end-users. A |

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| | | among the Member States with respect to the marketing of the categories or classes of radio equipment concerned and their charging devices would hamper the cross-border trade in those products, for example by obliging economic operators to repackage their products depending on the Member State, in which the products are to be supplied. This would in turn result in increased inconvenience for consumers and would generate unnecessary e-waste thus offsetting the benefits derived from the harmonisation of the charging interface and charging communication protocol. It is therefore necessary to impose | <i>before the sale of the product.</i> A fragmentation of approaches among the Member States with respect to the marketing of the categories or classes of radio equipment concerned and their charging devices would hamper the cross-border trade in those products, for example by obliging economic operators to repackage their products depending on the Member State, in which the products are to be supplied. This would in turn result in increased inconvenience for consumers and would generate unnecessary e-waste thus offsetting the benefits derived from the | fragmentation of approaches among the Member States with respect to the marketing of the categories or classes of radio equipment concerned and their charging devices would hamper the cross-border trade in those products, for example by obliging economic operators to repackage their products depending on the Member State, in which the products are to be supplied. This would in turn result in increased inconvenience for consumers and would generate unnecessary e-waste thus offsetting the benefits derived from the harmonisation of the charging interface and charging communication | fragmentation of approaches among the Member States with respect to the marketing of the categories or classes of radio equipment concerned and their charging devices would hamper the cross-border trade in those products, for example by obliging economic operators to repackage their products depending on the Member State, in which the products are to be supplied. This would in turn result in increased inconvenience for consumers and would generate unnecessary e-waste thus offsetting the benefits derived from the harmonisation of the charging interface and charging communication |
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| | | <p>requirements to ensure that end-users are not obliged to purchase a new charging device with each purchase of a new mobile phone or similar item of radio equipment. To ensure the effectiveness of such requirements, end-users should receive the necessary information regarding the charging characteristics when purchasing a mobile phone or similar item of radio equipment.</p> | <p>harmonisation of the charging interface and charging communication protocol. It is therefore necessary to impose requirements to ensure that <i>consumers and other</i> end-users are not obliged to purchase a new charging device <i>and cable</i> with each purchase of a new mobile phone or similar item of radio equipment <i>and are offered the option to purchase the radio equipment without any charging device and cable</i>. To ensure the effectiveness of such requirements, end-users should <i>also</i> receive the necessary information regarding the charging characteristics when</p> | <p>protocol. It is therefore necessary to impose requirements to ensure that <u>consumers and other</u> end-users are not obliged to purchase a new charging device with each purchase of a new mobile phone or similar item of radio equipment. To ensure the effectiveness of such requirements, <u>consumers and other</u> end-users should receive the necessary information regarding the charging characteristics when purchasing a mobile phone or similar item of radio equipment. <u>A dedicated pictogram should enable consumers and other end-users to determine whether</u></p> | <p>protocol. It is therefore necessary to impose requirements to ensure that <u>consumers and other</u> end-users are not obliged to purchase a new charging device with each purchase of a new mobile phone or similar item of radio equipment. <u>Unbundling should provide sustainable, available, attractive and convenient choices for consumers and other end-users. Drawing on the experience of the application of the requirements, the emerging market trends and the technological evolution, the Commission should consider an extension of the</u></p> |
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| | | <p>purchasing a mobile phone or similar item of radio equipment. <i>A dedicated graphic, placed in a prominent position on the product, should enable consumers to determine whether or not a charging device is included with the radio equipment before the purchase. Such measures should not be financially detrimental to end-users, and any discriminatory, disproportionate or unfair marketing practices resulting in unnecessary costs and burden for end-users or leading end-users towards unsustainable habits and patterns would need to be</i></p> | <p><u>or not a charging device is included with the radio equipment before the purchase. The pictogram should be displayed in the case of all forms of supply, including distance selling.</u></p> | <p><u>requirement related to the supply of charging devices together with the radio equipment to cables and/or the introduction of mandatory unbundling in order to ensure that the objectives of reducing environmental waste and ensuring consumer convenience are pursued in the most effective manner.</u></p> <p>To ensure the effectiveness of such requirements, <u>consumers and other</u> end-users should receive the necessary information regarding the charging characteristics when purchasing a mobile phone or similar item of radio equipment. <u>A dedicated</u></p> |
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| | | | <p><i>monitored and reported by the Commission. Unbundling should provide sustainable, available, attractive and convenient choices for consumers and other end-users. To this end, the Commission should evaluate in the future whether the measures laid down in this Directive have helped achieve the objectives set out in this Directive and reduce to a significant extent the volume of charging devices and electronic waste, and, if not, than provide for the possibility to offer end-users only the option to acquire the radio equipment without any charging device and cable.</i></p> | <p><u>pictogram should enable consumers and other end-users to determine whether or not a charging device is included with the radio equipment before the purchase. The pictogram should be displayed in the case of all forms of supply, including distance selling.</u></p> |
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| 12. | Recital 11 | It is technically feasible to define USB Type-C as the common charging receptacle for the relevant categories or classes of radio equipment. The USB Type-C technology, which is being used globally has been adopted at international standardisation level and has been transposed into the European system by the European Committee for Electrotechnical Standardization (CENELEC) under the European Standard EN IEC 62680-1 series ⁷ . | It is technically feasible to define USB Type-C as the common charging receptacle for the relevant categories or classes of radio equipment. The USB Type-C technology, which is being used globally has been adopted at international standardisation level and has been transposed into the European system by the European Committee for Electrotechnical Standardization (CENELEC) under the European Standard EN IEC 62680-1 series ⁸ . | It is technically feasible to define USB Type-C as the common charging receptacle for the relevant categories or classes of radio equipment. The USB Type-C technology, which is being used globally has been adopted at international standardisation level and has been transposed into the European system by the European Committee for Electrotechnical Standardization (CENELEC) under the European Standard EN IEC 62680-1- <u>3:2021</u> <u>Universal serial bus interfaces for data and power - Part 1-3: Common</u> | It is technically feasible to define USB Type-C as the common charging receptacle for the relevant categories or classes of radio equipment, <u>notably because they are already capable of integrating such a receptacle.</u> The USB Type-C technology, which is being used globally has been adopted at international standardisation level and has been transposed into the European system by the European Committee for Electrotechnical Standardization (CENELEC) under the European Standard EN IEC 62680-1- <u>3:2021</u> |
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⁷ Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C™ Cable and Connector Specification

⁸ Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C™ Cable and Connector Specification

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| | | | | <u>components - USB Type-C®™ Cable and Connector Specification - series⁹;</u> | <u>Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification -series¹⁰;</u> |
| 13. | Recital 12 | USB Type-C is a technology that is already common to many categories or classes of radio equipment as it provides high-quality charging and data transfer. The USB Type-C charging receptacle, when combined with the USB Power Delivery charging communication protocol, is capable of providing up to 100W of power and therefore | USB Type-C is a technology that is already common to many categories or classes of radio equipment as it provides high-quality charging and data transfer. The USB Type-C charging receptacle, when combined with the USB Power Delivery charging communication protocol, is capable of providing up to 100W of power and therefore | USB Type-C is a technology that is already common to many categories or classes of radio equipment as it provides high-quality charging and data transfer. The USB Type-C charging receptacle, when combined with the USB Power Delivery charging communication protocol, is capable of providing up to 100W of power and therefore | USB Type-C is a technology that is already common to many categories or classes of radio equipment as it provides high-quality charging and data transfer. The USB Type-C charging receptacle, when combined with the USB Power Delivery charging communication protocol, is capable of providing up to 100W of power and therefore |

⁹ ~~Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification~~

¹⁰ ~~Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification~~

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| | | <p>leaves ample room for further development of fast charging solutions, while allowing the market to cater for low-end phones that do not need fast charging. Mobile phones and similar radio equipment that support fast charging can incorporate the USB Power Delivery features as described in standard EN IEC 62680-1-2:2020 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’</p> | <p>leaves ample room for further development of fast charging solutions, while allowing the market to cater for low-end phones radio equipment that do does not need fast charging. Mobile phones and similar radio Radio equipment that support supports fast charging can incorporate the USB Power Delivery features as described in standard EN IEC 62680-1-2:20202021 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’.</p> | <p>leaves ample room for further development of fast charging solutions, while allowing the market to cater for low-end phones that do not need fast charging. Mobile phones and similar radio equipment that support fast charging can incorporate the USB Power Delivery features as described in standard EN IEC 62680-1-2:2021 2020 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’.</p> <p><u>USB specifications are continuously evolving. In that regard, the USB Implementers Forum</u></p> |
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| | | | | | <u>developed an updated version of the USB Power Delivery specification, which enables powers of up to 240W to be supported. Adaptations have also been made to the USB Type-C specification, which will extend the requirements for connectors and cables to accommodate up to 240 W. This will allow radio equipment requiring such a level of power to be considered for potential inclusion in the list of radio equipment covered by this Directive.</u> |
| 14. | Recital | With respect to charging by means other than wired | <i>The latest technological trends reflect the shift from</i> | With respect to charging by means other than wired | With respect to charging by means other than wired |

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| | 13 | <p>charging, divergent solutions may be developed in the future, which may have negative impacts on interoperability, consumer convenience and the environment. Whilst it is premature to impose specific requirements on such solutions at this stage, the Commission should be able to take action towards harmonising them in the future, if fragmentation on the internal market is observed.</p> | <p><i>wired charging to charging by other means, such as different wireless charging technologies, which entails many potential benefits for consumers and the environment. Many mobile phones and other categories or classes of small and medium-sized radio equipment already use different wireless charging methods.</i> With respect to <i>the increase in the use and market share of wireless</i> charging by means other than wired charging, divergent solutions may be developed in the future, which may have negative impacts on interoperability, consumer convenience and the</p> | <p>charging, divergent solutions may be developed in the future, which may have negative impacts on interoperability, consumer convenience and the environment. Whilst it is premature to impose specific requirements on such solutions at this stage, the Commission should be able to take action towards harmonising them in the future, if fragmentation on the internal market is observed.</p> | <p>charging, divergent solutions may be developed in the future, which may have negative impacts on interoperability, consumer convenience and the environment. Whilst it is premature to impose specific requirements on such solutions at this stage, the Commission should be able to take action towards <u>promoting and</u> harmonising them in the <u>to</u> <u>avoid</u> future, if fragmentation on of the internal market is <u>observed</u>.</p> |
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| | | | <p>environment. Whilst it <i>may be</i> premature to impose specific requirements on such solutions at this stage, the Commission should be able to take action towards harmonising them <i>interoperability requirements</i> in the <i>near</i> future, if fragmentation on the internal market is observed <i>in order to avoid negative impacts on interoperability, consumer convenience and the environment.</i></p> | | |
| 15. | Recital 13a (new) | | <p><i>The Commission should be able to adopt, based on the degree of scientific and technological progress, and taking into account the objectives of consumer</i></p> | | |

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| | | | <p><i>convenience and environmental needs, the most appropriate technical solutions. Relevant technical standards fulfilling the objectives of this Directive and which have been developed at European or international level should primarily be used for the selection of such technical solutions. In exceptional cases where there is a need to introduce, add or modify an existing technical specification in the absence of publicly available European or international standards, the Commission should be able to set out those technical specifications, provided that they have been developed in</i></p> | | |
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| | | | <p><i>line with Regulation (EU) No 1025/2012 on European Standardisation. The Commission should also fully involve the Commission Expert Group on Radio equipment throughout the process of adaptation and harmonisation.</i></p> | | |
| 16. | Recital 13b (new) | | <p><i>In order to ensure coherence between this Directive and other relevant provisions covering radio equipment, it is important to clarify that this Directive apply to all end-users including consumers and therefore the definition of “end-users” used in this Directive should be understood as any natural or</i></p> | | |

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| | | | <p><i>legal person residing or established in the Union, to whom a product has been made available either as a consumer outside of any trade, business, craft or profession or as a professional end-user in the course of its industrial or professional activities.</i></p> | | |
| 17. | Recital 14 | Article 3 of Directive 2014/53/EU should be amended in order to cover charging interfaces and charging communication protocols. The categories or classes of radio equipment specifically covered by this new provision should be further detailed in a new annex to | Article 3 of Directive 2014/53/EU should be amended in order to cover charging interfaces and charging communication protocols. The categories or classes of radio equipment specifically covered by this new provision should be further detailed in a new annex | Article 3 of Directive 2014/53/EU should be amended in order to cover charging interfaces and charging communication protocols. The categories or classes of radio equipment specifically covered by this new provision should be further detailed in a new annex to Directive 2014/53/EU. | Article 3 of Directive 2014/53/EU should be amended in order to cover charging interfaces and charging communication protocols. The categories or classes of radio equipment specifically covered by this new provision should be further detailed in a new annex |

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| | | Directive 2014/53/EU. | to Directive 2014/53/EU. | <div>PUBLIC</div> <p>to Directive 2014/53/EU.</p> <p><u>Within these categories or classes of radio equipment, only radio equipment integrating a removable or embedded rechargeable battery is concerned.</u></p> <p><u>Regarding digital cameras, the concerned radio equipment is any digital photo and video cameras (including action cameras). Digital cameras used exclusively for the audio-visual sector, or the ‘security and surveillance’ sector should not be required to integrate the harmonised solution.</u></p> |
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| | | | | | <p><u>Regarding earbuds, the concerned radio equipment is considered together with its dedicated charging case or box, given that earbuds are never dissociated from their charging case or box due to their specific size and shape. The charging case or box for that specific type of radio equipment is not considered as part of the charging device.</u></p> <p><u>Regarding laptops, the concerned radio equipment is any computer that is portable, which covers radio equipment such as notebooks, ultraportables, hybrids or convertibles, or netbooks.</u></p> |
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| 18. | Recital 15 | Directive 2014/53/EU should also be amended in order to insert a new Article which will relate to the requirements on the supply of certain categories or classes of radio equipment without charging devices. The categories or classes of radio equipment concerned as well as the specifications in relation to charging solutions should be specified in a new annex to Directive 2014/53/EU. | Directive 2014/53/EU should also be amended in order to insert a new Article which will relate to the requirements on the supply of certain categories or classes of radio equipment without charging devices. The categories or classes of radio equipment concerned as well as the specifications in relation to charging solutions should be specified in a new annex to Directive 2014/53/EU. | Directive 2014/53/EU should also be amended in order to insert a new Article which will relate to the requirements on the supply of certain categories or classes of radio equipment without charging devices. The categories or classes of radio equipment concerned as well as the specifications in relation to charging solutions should be specified in a new annex to Directive 2014/53/EU. | Directive 2014/53/EU should also be amended in order to insert a new Article which will relate to the requirements on the supply of certain categories or classes of radio equipment without charging devices. The categories or classes of radio equipment concerned as well as the specifications in relation to charging solutions should be specified in a new annex to Directive 2014/53/EU. |
| 19. | Recital 16 | Article 10(8) of Directive 2014/53/EU provides for information to be included in the instructions for use and so additional information requirements should be inserted | Article 10(8) of Directive 2014/53/EU provides for information to be included in the instructions for use and so additional information requirements should be | Article 10(8) of Directive 2014/53/EU provides for information to be included in the instructions for use and so additional information requirements should be | Article 10(8) of Directive 2014/53/EU provides for information to be included in the instructions for use and so additional information requirements should be |

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| | <p>in that Article. The details of the new requirements should be specified in the new annex to Directive 2014/53/EU. Those information requirements would enable consumers to determine the most appropriate external power supply (EPS) needed to charge their radio equipment. It should be possible to adapt those requirements in the future in order to reflect any changes to the labelling requirements for EPS, which may be introduced under Directive 2009/125/EC of the European Parliament and of the Council¹¹.</p> | <p>inserted in that Article. The details of the new requirements should be specified in the new annex to Directive 2014/53/EU. Those information requirements would enable consumers to determine <i>end-users to improve their understanding of the negative environmental impact of unnecessary chargers and of the differences between the available chargers on the market. Those information requirements would ensure that end-users are properly informed about the type of charger recommended to</i></p> | <p>inserted in that Article. The details <u>content</u> of the new requirements should be specified in the new annex to Directive 2014/53/EU. <u>Certain elements of information should also be provided by means of visual elements for all forms of supply, including distance selling.</u> Those information requirements would enable consumers <u>A dedicated label indicating the specifications relating to charging capabilities and compatible chargers will enable the consumers and other end-users to determine</u> the most</p> | <p>inserted in that Article. The details <u>content</u> of the new requirements should be specified in the new annex to Directive 2014/53/EU. <u>Certain elements of information should also be provided by means of visual elements for all forms of supply, including distance selling.</u> Those information requirements would enable consumers <u>A dedicated label indicating the specifications relating to charging capabilities and compatible chargers will enable the consumers and other end-users to determine</u> the most</p> |
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¹¹ Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10).

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| | | | <p><i>safely charge their device by determining the most appropriate external power supply (EPS) needed to charge their radio equipment. It should be possible to adapt those requirements in the future in order to reflect any changes to the labelling requirements for EPS or cables, which may be introduced under Directive 2009/125/EC of the European Parliament and of the Council¹². The information obligations should be applicable to manufacturers, importers, distributors and where applicable, authorised</i></p> | <p>appropriate external power supply (EPS) needed to charge their radio equipment. <u>In order to provide a source of useful reference throughout the life cycle of the radio equipment, the information on the charging capabilities and compatible chargers should also be included in the instructions and safety information accompanying the radio equipment.</u> It should be possible to adapt those requirements in the future in order to reflect any changes to the labelling requirements for EPS, which may be introduced under</p> | <p>appropriate external power supply (EPS) needed to charge their radio equipment. <u>In order to provide a source of useful reference throughout the life cycle of the radio equipment, the information on the charging capabilities and compatible chargers should also be included in the instructions and safety information accompanying the radio equipment.</u> It should be possible to adapt those requirements in the future in order to reflect any changes to the labelling requirements <u>notably for EPSexternal power supplies,</u></p> |
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¹² Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10).

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| | | | <i>representatives, as long as they supply the radio equipment directly to end-users.</i> | Directive 2009/125/EC of the European Parliament and of the Council ¹³ . | which may be introduced under Directive 2009/125/EC of the European Parliament and of the Council ¹⁴ . <u>These information requirements should, in particular, reflect the evolution of the harmonised charging solutions and should be adapted accordingly. Within that context, including a system of colour codes could also be considered.</u> |
| 20. | Recital 16a | | <i>Certain elements of the information referred to in</i> | <u>Considering that importers and distributors may also</u> | <u>Considering that importers and distributors may also</u> |

¹³ Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10).

¹⁴ Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products (OJ L 285, 31.10.2009, p. 10).

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| | (new) | | <p><i>Article 10(8) of Directive 2014/53/EU should also be provided by means of a dedicated label with information on the charging capabilities and compatible chargers, the details of which will be specified in the new annex to Directive 2014/53/EU. The label should consist of visual elements that can easily inform end-users about the minimum and maximum power required to charge the radio equipment at the maximum charging speed. Such information should also be included in the instructions for use and safety accompanying the radio equipment. The label</i></p> | <p><u>supply radio equipment directly to consumers and other end-users, identical obligations to the ones applicable to manufacturers in relation to the information to be supplied or displayed should be introduced. In relation to the pictogram indicating whether or not a charging device is included with the radio equipment, all economic operators should fulfil this obligation when making radio equipment available to consumers and other end-users. Therefore, importers and distributors may offer bundles, which include the radio equipment its charging device even</u></p> | <p><u>supply radio equipment directly to consumers and other end-users, identical obligations to the ones applicable to manufacturers in relation to the information to be supplied or displayed should be introduced. In relation to the pictogram indicating whether or not a charging device is included with the radio equipment, all economic operators should fulfil this obligation when making radio equipment available to consumers and other end-users. Therefore, importers and distributors may offer bundles, which include the radio equipment and its charging device, even</u></p> |
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| | | | <i>should be placed in a prominent position on the product or on its packaging in the case of all forms of supply, including online sales.</i> | <u>when such radio equipment is supplied without a charging device by the manufacturer, provided that they also offer to consumers and other end-users the possibility to acquire the radio equipment without any charging device.</u> | <u>when such radio equipment is supplied without a charging device by the manufacturer, provided that they also offer to consumers and other end-users the possibility to acquire the radio equipment without any charging device.</u> |
| 21. | Recital 16b (new) | | <i>The growing tendency towards multi-device ownership, along with the short lifecycles of some radio equipment and the absence of clear labelling, have triggered in recent years a number of challenges for consumers as the inability to charge certain devices, inaccessibility to compatible charges,</i> | | |

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| | | | <p><i>confusion and product safety issues. Therefore, a requirement for consumers to have the option to make an informed choice regarding whether or not to buy a new charging set with a new product, will be beneficial both for consumers and for the environment. The Commission should assess the possibility of establishing a user-friendly colour-based legend with the label to simplify the process of matching the radio equipment with the most efficient charging devices within their power class or category in order to achieve best compatibility and</i></p> | | |
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| | | | <i>improve charging experience.</i> | | |
| 22. | Recital 17 | Article 17 of Directive 2014/53/EU, which sets out the conformity assessment procedures, should be amended in order to add references to the new essential requirements to be inserted in Article 3 of that Directive. The manufacturer should thus have the choice of following the internal control procedure in order to demonstrate compliance with those new essential requirements. | Article 17 of Directive 2014/53/EU, which sets out the conformity assessment procedures, should be amended in order to add references to the new essential requirements to be inserted in Article 3 of that Directive. The manufacturer should thus have the choice of following the internal control procedure in order to demonstrate compliance with those new essential requirements. | Article 17 of Directive 2014/53/EU, which sets out the conformity assessment procedures, should be amended in order to add references to the new essential requirements to be inserted in Article 3 of that Directive. The manufacturer should thus have the choice of following the internal control procedure in order to demonstrate compliance with those new essential requirements. | Article 17 of Directive 2014/53/EU, which sets out the conformity assessment procedures, should be amended in order to add references to the new essential requirements to be inserted in Article 3 of that Directive. The manufacturer should thus have the choice of following the internal control procedure in order to demonstrate compliance with those new essential requirements. |
| 23. | Recital 17a (new) | | | <u>In order to ensure that national market surveillance authorities would have the procedural means to enforce</u> | <u>In order to ensure that national market surveillance authorities would have the</u> |

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| | | | | <p><u>the new requirements regarding the harmonised charging interface and charging communication protocol and regarding the requirements concerning the supply of radio equipment subject to such harmonisation, Articles 40 and 43 of Directive 2014/53/EU should be adapted accordingly. In particular, an explicit reference to the lack of compliance with the essential requirements, which also include the newly introduced provisions on specifications on charging, should be included in Article 40. Considering that these newly</u></p> | <p><u>procedural means to enforce the new requirements regarding the harmonised charging interface and charging communication protocol and regarding the requirements concerning the supply of radio equipment subject to such harmonisation, Articles 40 and 43 of Directive 2014/53/EU should be adapted accordingly. In particular, an explicit reference to the lack of compliance with the essential requirements, which also include the newly introduced provisions on specifications on charging, should be included in Article 40.</u></p> |
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| | | | | <u>introduced provisions are focusing on interoperability aspects, the objective of this explicit reference is to avoid divergent interpretations as to whether the procedure laid down in Article 40 of Directive 2014/53/EU may be triggered also in respect of radio equipment, which does not present an immediate risk to the health and safety of persons or to other aspects of public interest protection covered by Directive 2014/53/EU.</u> | <u>Considering that these newly introduced provisions are focusing on interoperability aspects, the objective of this explicit reference is to avoid divergent interpretations as to whether the procedure laid down in Article 40 of Directive 2014/53/EU may be triggered also in respect of radio equipment, which does not present an immediate risk to the health and safety of persons or to other aspects of public interest protection covered by Directive 2014/53/EU.</u> |
| 24. | Recital 18 | Articles 40, 43 and 44 of Directive 2014/53/EU should be amended in order to adapt | Articles 40, 43 and 44 of Directive 2014/53/EU should be amended in order to adapt | Articles 40, 43 and 44 of Directive 2014/53/EU should be amended in order to adapt | Articles 40, 43 and 44 of Directive 2014/53/EU should be amended in order to adapt |

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| | <p>the references that they contain to the new provisions that are introduced by this Directive.</p> | <p>the references that they contain to the new provisions that are introduced by this Directive</p> <p><i>and to ensure that national market surveillance authorities have the procedural means to effectively enforce the new requirements inserted in Articles 3 and 3a and Article 10(8) of Directive 2014/53/EU and avoid divergent interpretations by national market surveillance authorities. During the first five years of application of this Directive, it is essential that the Union finances Member States' and Union market surveillance campaigns and associated</i></p> | <p>the references that they contain to the new provisions that are introduced by this Directive.</p> <p><u>Article 43 of Directive 2014/53/EU enumerates the instances of formal non-compliance. Considering that this Directive introduces new requirements applicable to certain categories or classes of radio equipment, Article 43 of Directive 2014/53/EU should be adjusted in order to allow the effective enforcement of these requirements by the national market surveillance authorities.</u></p> | <p>the references that they contain to the new provisions that are introduced by this Directive.</p> <p><u>Article 43 of Directive 2014/53/EU enumerates the instances of formal non-compliance. Considering that this Directive introduces new requirements applicable to certain categories or classes of radio equipment, Article 43 of Directive 2014/53/EU should be adjusted in order to allow the effective enforcement of these requirements by the national market surveillance authorities.</u></p> |
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| | | | <p><i>activities relating to radio equipment falling within the scope of Article 3(4). It is essential that Member States conduct market surveillance activities on the information obligations of economic operators, especially at the beginning of the applicability of the new rules. The potential increase in the market share of substandard chargers could have a detrimental effect on the life-span of devices, on consumer satisfaction and safety, and on the overall environmental impact of this Directive. It is important, therefore, that the Member States also ensure specific funding and resources for</i></p> | | |
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| | | | <i>their competent authorities tasked with carrying out market surveillance, taking into account the fact that there are currently many unsafe chargers available on the market and carrying out strong market surveillance activities about the safety of the chargers.</i> | | |
| 25. | Recital 18a (new) | | | <u>Article 44 of Directive 2014/53/EU should be amended in order to adjust the references contained therein to the new requirements introduced by this Directive.</u> | <u>Article 44 of Directive 2014/53/EU should be amended in order to adjust the references contained therein to the new requirements introduced by this Directive.</u> |
| 26. | Recital | In order to address any future | In order to address any future | In order to address any future developments in charging | In order to address any future developments in charging |

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| | 19 | <p>developments in charging technology and to ensure the minimum common interoperability between radio equipment and the charging devices for such radio equipment, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission to amend the categories or classes of radio equipment and the specifications regarding the charging interfaces and charging communication protocols, as well as the details on the information in relation to charging. It is of particular importance that the</p> | <p>developments in charging technology, <i>such as the emergence of new categories or classes of radio equipment, increase in voltage power or charging technologies</i>, and to ensure the minimum common interoperability between radio equipment and the charging devices for such radio equipment, <i>and wireless technologies</i>, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission to amend the categories or classes of radio equipment <i>or power requirements</i> and the specifications regarding the</p> | <p>technology and to ensure the minimum common interoperability between radio equipment and the charging devices for such radio equipment, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission to amend the categories or classes of radio equipment and the specifications regarding the charging interfaces and charging communication protocols, as well as the details on the information in relation to charging.</p> <p>- amend <u>In order to ensure</u></p> | <p>technology and to ensure the minimum common interoperability between radio equipment and the charging devices for such radio equipment, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission to amend the categories or classes of radio equipment and the specifications regarding the charging interfaces and charging communication protocols, as well as the details on the information in relation to charging.</p> <p>- amend <u>In order to ensure</u></p> |
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| | Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Inter-institutional Agreement on Better Law-Making of 13 April 2016 ¹⁵ . In particular, to ensure equal participation in the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups | charging interfaces and charging communication protocols <i>for each of them</i> , as well as the <i>additional and future</i> details on the information, <i>graphic and labelling requirements</i> in relation to charging. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Inter-institutional Agreement on Better Law-Making of 13 April 2016 ¹⁶ . In particular, to | <u>the minimum common interoperability between radio equipment and the charging devices for such radio equipment and to address any future market developments, such as the emergence of new categories or classes of radio equipment in relation to which a significant degree of fragmentation of the charging interfaces and charging communication protocols is observed, and any developments in charging technology, the power to adopt acts in accordance with Article 290</u> | <u>the minimum common interoperability between radio equipment and the charging devices for such radio equipment and to address any future market developments, such as the emergence of new categories or classes of radio equipment in relation to which a significant degree of fragmentation of the charging interfaces and charging communication protocols is observed, and any developments in charging technology, the power to adopt acts in accordance with Article 290</u> |
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¹⁵ OJ L 123, 12.5.2016, p. 1.

¹⁶ OJ L 123, 12.5.2016, p. 1.

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| | | <p>dealing with the preparation of delegated acts.</p> <p>ensure equal participation in the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts.</p> | <p><u>of the Treaty on the Functioning of the European Union should be delegated to the Commission in respect of amending categories or classes of radio equipment and the specifications regarding the charging interfaces and charging communication protocols for each of them.</u></p> <p><u>In order to reflect, inter alia, future amendments to the labelling requirements for external power supplies or technical progress, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the</u></p> | <p><u>of the Treaty on the Functioning of the European Union should be delegated to the Commission in respect of amending categories or classes of radio equipment and the specifications regarding the charging interfaces and charging communication protocols for each of them.</u></p> <p><u>In order to reflect, inter alia, future amendments to the labelling requirements, such as for external power supplies or charging cables, or technical progress, the power to adopt acts in accordance with Article 290 of the Treaty on the Functioning of the European</u></p> |
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| | | | <p><u>Commission in respect of amending the information requirements regarding the charging interfaces and charging communication protocols.</u></p> <p>It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Inter-institutional Agreement on Better LawMaking of 13 April 2016¹⁷. In particular, to ensure equal participation in the preparation of delegated</p> | <p><u>Union should be delegated to the Commission in respect of amending the information requirements regarding the charging interfaces and charging communication protocols.</u></p> <p>It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level, and that those consultations be conducted in accordance with the principles laid down in the Inter-institutional Agreement on Better LawMaking of 13 April 2016¹⁸. In particular, to ensure equal participation in</p> |
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¹⁷OJ L 123, 12.5.2016, p. 1.


¹⁸OJ L 123, 12.5.2016, p. 1.

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| | | | | acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts. | the preparation of delegated acts, the European Parliament and the Council receive all documents at the same time as Member States' experts, and their experts systematically have access to meetings of Commission expert groups dealing with the preparation of delegated acts. |
| 27. | Recital 19a (new) | | | <u>In order to ensure coherence between the provisions of this Directive and the provisions of Directive 2014/53/EU, where both the term 'end-users' and the term 'consumers and other end-users' are used in parallel, it is appropriate to clarify the notion of</u> | In order to ensure coherence between the provisions of this Directive and the provisions of Directive 2014/53/EU, where both the term 'end-users' and the term 'consumers and other end-users' are used in parallel, it is appropriate to clarify the notion of |

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| | | | <p><u>‘consumers and other end-users’. It should be recalled that Directive 2014/53/EU applies to radio equipment, which is made available to all end-users, including consumers. In the same vein, this Directive also applies to all categories of end-users and consistently uses the term "consumers and other end-users". The definition of ‘end user’ laid down in Article 3(21) of Regulation (EU) 2019/1020 explicitly indicates that consumers are to be seen as a particular category of end-users, among others.</u></p> | <p><u>‘consumers and other end-users’. It should be recalled that Directive 2014/53/EU applies to radio equipment, which is made available to all end-users, including consumers. In the same vein, this Directive also applies to all categories of end-users and consistently uses the term "consumers and other end-users". The definition of ‘end user’ laid down in Article 3(21) of Regulation (EU) 2019/1020 explicitly indicates that consumers are to be seen as a particular category of end-users, among others.</u></p> |
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| 28. | | | | | |
| 29. | Recital 20 | Directive 2014/53/EU should therefore be amended accordingly. | Directive 2014/53/EU should therefore be amended accordingly. | Directive 2014/53/EU should therefore be amended accordingly. | Directive 2014/53/EU should therefore be amended accordingly. |
| 30. | Recital 21 | Economic operators should be provided with sufficient time to proceed with the necessary adaptations to radio equipment falling within the scope of this Directive, which they intend to place on the Union market. | Economic operators should be provided with sufficient time to proceed with the necessary adaptations to radio equipment falling within the scope of this Directive, which they intend to place on the Union market. | Economic operators should be provided with sufficient time to proceed with the necessary adaptations to radio equipment falling within the scope of this Directive, which they intend to place on the Union market, | Economic operators should be provided with sufficient time to proceed with the necessary adaptations to radio equipment falling within the scope of this Directive, which they intend to place on the Union market, |
| 31. | Article 1 | Directive 2014/53/EU is amended as follows: | Directive 2014/53/EU is amended as follows: | Directive 2014/53/EU is amended as follows: | Directive 2014/53/EU is amended as follows: |
| 32. | Article 1 (1) | (1) Article 3 is amended as follows: | (1) Article 3 is amended as follows: | (1) Article 3 is amended as follows: | (1) Article 3 is amended as follows: |

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| 33. | Article 1 (1) (a) | (a) in paragraph 3, first subparagraph, point (a), the comma and the phrase ‘, in particular with common chargers’ is replaced by the phrase ‘other than the charging devices for the categories or classes of radio equipment, specified in Annex Ia, Part I, which are specifically referred to in paragraph 4 of this Article’ ; | (a) in paragraph 3, first subparagraph, point (a), the comma and the phrase ‘, in particular with common chargers’ is are replaced by the phrase ‘other than the charging devices for the categories or classes of radio equipment, specified in Annex Ia, Part I, which are specifically referred to in paragraph 4 of this Article’ ; | (a) in paragraph 3, first subparagraph, point (a), the comma and the phrase ‘ <u>in</u> particular with common chargers’ are is replaced by the phrase ‘other than the charging devices for the categories or classes of radio equipment, specified in Annex Ia, Part I, which are specifically referred to in paragraph 4 of this Article’ ; | (b) in paragraph 3, first subparagraph, point (a), the comma and the phrase ‘ <u>in</u> particular with common chargers’ are is replaced by the phrase ‘other than the charging devices for the categories or classes of radio equipment, specified in Annex Ia, Part I, which are specifically referred to in paragraph 4 of this Article’ ; |
| 34. | Article 1 (1) (aa) (new) | Present text Directive 2014/53/EU Article 3 – paragraph 3 – | <i>(aa) paragraph 3, second subparagraph, is replaced by the following:</i> ‘The Commission shall be is | | |

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| | | <p>subparagraph 2</p> <p>The Commission shall be empowered to adopt delegated acts in accordance with Article 44 specifying which categories or classes of radio equipment are concerned by each of the requirements set out in points (a) to (i) of the first subparagraph of this paragraph.</p> | <p>empowered to adopt delegated acts in accordance with Article 44 <i>supplementing this Directive by</i> specifying which categories or classes of radio equipment are concerned by each of the requirements set out in points (a) to (i) of the first subparagraph of this paragraph.</p> <p><i>With respect to point (a) of the first subparagraph and the rechargeable radio equipment capable of being recharged via wired charging but not capable of being charged with the USB Type-C receptacle, which does not fall within any of the categories or classes of radio equipment specified in</i></p> |  | |
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| | | | <p><i>Annex Ia, Part I, the Commission shall adopt delegated acts in accordance with Article 44, amending Annex Ia by identifying the appropriate technical specifications, including harmonised standards, for new categories or classes of radio equipment to ensure the minimum interoperability between such radio equipment and accessories such as charging receptacles and charging communication protocols.</i></p> <p><i>The Commission may adopt for the first time a delegated act pursuant to the second subparagraph by 31</i></p> | | |
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| | | | <i>December 2028, with a view to ensuring its application by 1 January 2030. If the Commission does not adopt a delegated act by 31 December 2028, it shall report and justify its decision to the European Parliament and the Council.</i> | | |
| 35. | Article 1 (1) (b) | (b) the following paragraph is added: | (b) the following paragraph is added: | (b) the following paragraph is added: | (b) the following paragraph is added: |
| 36. | | ‘4. Radio equipment falling within the categories or classes specified in Annex Ia, Part I shall be so constructed that it complies with the specifications on charging set out in that Annex for the | 4. Radio equipment falling within the categories or classes specified in Annex Ia, Part I shall be so constructed that it complies with the specifications on charging capabilities set out in that | ‘4. Radio equipment falling within the categories or classes specified in Annex Ia, Part I shall be so constructed that it complies with the specifications on charging capabilities set out in that | ‘4. Radio equipment falling within the categories or classes specified in Annex Ia, Part I shall be so constructed that it complies with the specifications on charging capabilities set out in that |

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| | | relevant category or class of radio equipment. | Annex for the relevant category or class of radio equipment. | Annex for the relevant category or class of radio equipment. | Annex for the relevant category or class of radio equipment. |
| 37. | | With respect to radio equipment capable of being recharged via wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 to amend Annex Ia in the light of technical progress, and to ensure the minimum common interoperability between radio equipment and their charging devices, by: | With respect to radio equipment capable of being recharged via wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 to amend Annex Ia, <i>Part I</i> in the light of technical <i>scientific and technological</i> progress, <i>consumer convenience and environmental developments</i> and to ensure the minimum common interoperability between radio equipment and their charging devices, by: | With respect to radio equipment capable of being recharged via wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 to amend <u>Part I of</u> Annex Ia in the light of technical progress <u>or market developments</u> , and to ensure the minimum common interoperability between radio equipment and their charging devices, by: | With respect to radio equipment capable of being recharged via wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 to amend <u>Part I of</u> Annex Ia in the light of technical <i>scientific and technological</i> progress <u>or market developments</u> , and to ensure the minimum common interoperability between radio equipment and their charging devices <u>as well as to improve</u> |

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| | | | | | <u>consumer convenience, to avoid market fragmentation and to reduce environmental waste</u> , by: |
| 38. | | (a) modifying, adding or removing categories or classes of radio equipment; | (a) modifying, adding or removing categories or classes of radio equipment <i>or power requirements</i> ; | (a) modifying, adding or removing categories or classes of radio equipment; | (a) modifying, adding or removing categories or classes of radio equipment; |
| 39. | | (b) modifying, adding or removing technical specifications, including references and descriptions, in relation to the charging receptacle(s) and charging communication protocol(s), for each category or class of radio equipment concerned.’ | (b) modifying, adding or removing technical specifications, including references and descriptions, in relation to the charging receptacle(s), <i>power requirements</i> and charging communication protocol(s), for each category or class of radio | (b) modifying, adding or removing technical specifications, including references and descriptions, in relation to the charging receptacle(s) and charging communication protocol(s), for each category or class of radio equipment concerned. | (b) modifying, adding or removing technical specifications, including references and descriptions, in relation to the charging receptacle(s) and charging communication protocol(s), for each category or class of radio equipment concerned. |

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| | | <p>equipment concerned.’</p> <p><i>The Commission shall regularly assess the categories or classes of radio equipment capable of being recharged via wired charging and capable of being equipped with the USB Type-C receptacle, which are not included in the Annex Ia, Part I, to ensure the inclusion by 31 December 2026 of all those categories or classes, whenever it would not disproportionately reduce the technical capabilities of the device and is technically feasible, in order to maximise environmental benefits and consumer convenience.</i></p> | <p><u>The Commission shall continuously assess market developments, market fragmentation and technical progress with the view to identify categories or classes of radio equipment capable of being recharged via wired charging for which the possible harmonisation of the charging receptacle(s) and charging communication protocol(s) according to the technical specifications referenced in Part I of Annex Ia would lead to significant consumer convenience and reduction of environmental waste.</u></p> <p><u>Such assessment shall be</u></p> | <p><u>The Commission shall continuously assess market developments, market fragmentation and technical progress with the view to identify categories or classes of radio equipment capable of being recharged via wired charging for which the possible harmonisation of the charging receptacle(s) and charging communication protocol(s) according to the technical specifications <u>referenced inclusion</u> in Part I of Annex Ia would lead to significant consumer convenience and reduction of environmental waste.</u></p> <p><u>The Commission shall report</u></p> |
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| | | | | <p><u>reported to the European Parliament and to the Council, for the first time by [5 years after the entry-into-force] and every 5 years thereafter. Where appropriate, this shall be accompanied by delegated acts amending the list of categories or classes of radio equipment specified in Annex Ia, Part I to include the categories or classes of radio equipment subject to the abovementioned assessment.'</u></p> | <p>Such assessment shall be reported to the European Parliament and to the Council, for the first time by [5] years after the entry-into-force] and every 5 years thereafter., and adopt delegated acts pursuant to Article 3, paragraph 4, first sub paragraph point a) accordingly amending the list of categories or classes of radio equipment specified in Annex Ia, Part I to include the categories or classes of radio equipment subject to the abovementioned assessment.'</p> |
| 40. | | With respect to radio equipment capable of being | With respect to radio equipment capable of being | With respect to radio equipment capable of being | With respect to radio equipment capable of being |

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| | | <p>recharged via means other than wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia in the light of technical progress, and to ensure the minimum common interoperability between radio equipment and their charging devices, by:</p> | <p>recharged via means other than wired charging, the Commission is empowered to shall adopt delegated acts in accordance with Article 44, by 31 December 2026, in order to amend Annex Ia in the light of technical scientific and technological progress, consumer convenience and environmental developments and to ensure the minimum common interoperability between radio equipment and their charging devices, by:</p> | <p>recharged via means other than wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend <u>Part I of</u> Annex Ia in the light of technical progress <u>or market developments</u>, and to ensure the minimum common interoperability between radio equipment and their charging devices, by:</p> | <p>recharged via means other than wired charging, the Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend <u>Part I of</u> Annex Ia in the light of technical scientific and technological progress <u>or market developments</u>, and to ensure the minimum common interoperability between radio equipment and their charging devices, <u>as well as to improve consumer convenience, to avoid market fragmentation and to reduce environmental waste</u>, by:</p> |
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| 41. | | (a) introducing, modifying, adding or removing categories or classes of radio equipment; | (a) introducing, modifying, adding or removing categories or classes of radio equipment; | (a) introducing, modifying, adding or removing categories or classes of radio equipment; | (a) introducing, modifying, adding or removing categories or classes of radio equipment; |
| 42. | | (b) introducing, modifying, adding or removing technical specifications, including references and descriptions, in relation to charging interface(s) and charging communication protocol(s), for each category or class of radio equipment concerned.’; | (b) introducing, modifying, adding or removing technical specifications, including references and descriptions, in relation to charging interface(s) and charging communication protocol(s), for each category or class of radio equipment concerned. <i>For the purposes of point (b), the Commission shall carry out an assessment on the wireless charging technologies to evaluate and effectively compare the efficiency of different</i> | (b) introducing, modifying, adding or removing technical specifications, including references and descriptions, in relation to charging interface(s) and charging communication protocol(s), for each category or class of radio equipment concerned.’; | (b) introducing, modifying, adding or removing technical specifications, including references and descriptions, in relation to charging interface(s) and charging communication protocol(s), for each category or class of radio equipment concerned.’; |

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| | | | <p><i>technologies and market developments before the adoption of the delegated act to ensure the minimum interoperability between radio equipment and their charging devices that use other means than wired charging, are capable of quickly charging different categories or classes of radio equipment and are energy-efficient and safe.</i></p> | | |
| 43. | | | <p><i>When preparing the delegated acts referred to in the third subparagraph of this paragraph with respect to radio equipment which is capable of being recharged via means other than wired charging, the Commission</i></p> | <p><u>The Commission shall, by 36 months after the entry into force of this Directive, carry out an assessment on the status of wireless charging technologies for radio equipment falling within the categories or</u></p> | <p>The Commission shall, by 36 months after the entry into force of this Directive, carry out an assessment on the status of wireless charging technologies for radio equipment falling within the categories or</p> |

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| | | <p><i>shall take account of technical specifications that are based on relevant available European or international standards.</i></p> <p><i>Where such European or international standards do not exist, or in cases where the Commission determines, based on a technical assessment, that they do not meet the objectives of reducing environmental waste, ensuring consumer convenience and interoperability between different charging interfaces and charging communication protocols and avoiding fragmentation of the market,</i></p> | <p><u>classes specified in Annex Ia, Part I. This assessment shall notably cover market penetration, market trends, market fragmentation, technological performance, interoperability and energy efficiency, and shall be made public.</u></p> <p><u>The Commission shall, in accordance with Article 10(1) of Regulation (EU) 1025/2012, request one or more European Standardisation Organisations to draft harmonised standards laying down technical specifications for wireless charging technologies and corresponding charging</u></p> | <p>classes specified in Annex Ia, Part I. This assessment shall notably cover market penetration, market trends, market fragmentation, technological performance, interoperability and energy efficiency, and shall be made public.</p> <p><u>The Commission shall, in accordance with Article 10(1) of Regulation (EU) 1025/2012, request one or more European Standardisation Organisations to draft harmonised standards laying down technical specifications for wireless charging technologies the charging</u></p> |
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| | | <p><i>the Commission may set out in those delegated acts technical specifications which better meet those objectives.</i></p> <p><i>Those technical specifications shall be developed in line with the criteria of openness, consensus and transparency, and shall meet the requirements referred to in Annex II to Regulation (EU) No 1025/2012 on European Standardisation.</i></p> | <p><u>communication protocols for radio equipment within the scope of Annex Ia Part I. In accordance with the procedure laid down in Article 10(2) of Regulation (EU) 1025/2012, the Commission shall consult the committee set up under Article 45(1) of this Directive no later than [48 months] after the entry-into-force of this Directive. The requirements to be met by the requested document shall include energy efficiency and charging performance.</u></p> <p><u>When preparing the delegated acts referred to in this Article, the Commission</u></p> | <p><u>interface(s) and corresponding charging communication protocol(s) for radio equipment within the scope of Annex Ia Part I capable of being recharged via means other than wired charging at the latest by 24 months after the entry into force of this Directive. In accordance with the procedure laid down in Article 10(2) of Regulation (EU) 1025/2012, the Commission shall consult the committee set up under Article 45(1) of this Directive no later than [48 months] after the entry-into-force of this Directive. The requirements to be met by as</u></p> |
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| | | | <p><u>shall take account of the degree of market acceptance of the technical specifications under consideration, the resulting consumer convenience and the extent of the reduction of environmental waste and market fragmentation that can be expected from such technical specifications. Technical specifications that are based on relevant available European or international standards shall be deemed to meet the objectives set out in the previous sentence. However, in cases where such European or international standards do not exist, or in</u></p> | <p><u>to the content of the requested document standards shall include be based on an assessment, which shall be carried out by the Commission, on the status of wireless charging technologies for radio equipment, covering in particular market developments, market penetration, market fragmentation, technological performance, interoperability, energy efficiency and charging performance.</u></p> <p><u>When preparing the delegated acts referred to in this Article with respect to</u></p> |
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| | | | <p><u>cases where the Commission determines, based on a technical assessment, that they do not meet those objectives at the optimal manner, the Commission may reference other technical specifications which better meet those objectives.'</u></p> | <p><u>radio equipment capable of being recharged via wired charging as well as with respect to radio equipment capable of being recharged via means other than wired charging, the Commission shall take account of the degree of market acceptance of the technical specifications under consideration, the resulting consumer convenience and the extent of the reduction of environmental waste and market fragmentation that can be expected from such technical specifications. Technical specifications that are based on relevant available European or</u></p> |
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| | | | | | <u>international standards shall be deemed to meet the objectives set out in the previous sentence. However, in cases where such European or international standards do not exist, or in cases where the Commission determines, based on a technical assessment, that they do not meet those objectives at in the optimal manner, the Commission may reference set out other technical specifications which better meet those objectives.</u> |
| 44. | | | <i>4a. The Commission shall regularly review the delegated acts referred to in this Article,</i> | | |

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| | | | <i>and, where appropriate, amend those delegated acts in the light of scientific and technological progress, consumer convenience and environmental developments.</i> | | |
| 45. | Article 1 (2) | (2) the following Article 3a is inserted: | (2) the following Article 3a is inserted: | (2) the following Article 3a is inserted: | |
| 46. | | ‘Article 3a | ‘Article 3a | ‘Article 3a | |
| 47. | | Possibility for end-users to acquire certain categories or classes of radio equipment without a charging device | Possibility for consumers and other end-users to acquire certain categories or classes of radio equipment without a charging device | Possibility for <u>consumers and other</u> end-users to acquire certain categories or classes of radio equipment without a charging device | Possibility for <u>consumers and other</u> end-users to acquire certain categories or classes of radio equipment without a charging device |

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| 48. | | <p>1. Where an economic operator offers to end-users the possibility to acquire radio equipment falling within the scope of Article 3(4) together with a charging device, the end-user shall also be offered the possibility to acquire the radio equipment without any charging device.’;</p> | <p>1. Where an economic operator offers to <i>consumers or other</i> end-users the possibility to acquire radio equipment falling within the scope of Article 3(4) together with a charging device, the <i>consumers and other</i> end-user shall also be offered the possibility to acquire the radio equipment without any charging device <i>and cable</i></p> <p><i>By ... [three years after the date of entry into force of this Directive], the Commission shall submit to the European Parliament and the Council a report on the impact of the possibility to acquire the radio equipment without any</i></p> | <p><u>1.</u> Where an economic operator offers to <u>consumers and other</u> end-users the possibility to acquire radio equipment <u>referred to in</u> falling within the scope of Article 3(4) together with a charging device, the <u>consumers and other</u> end-users shall also be offered the possibility to acquire the radio equipment without any charging device.’;</p> <p><u>2. Economic operators shall, in accordance with their obligations stated in Chapter II of Directive 2014/53/EU, ensure that the information on whether or not a charging device is included with the radio</u></p> | <p><u>1.</u> Where an economic operator offers to <u>consumers and other</u> end-users the possibility to acquire radio equipment <u>referred to in</u> falling within the scope of Article 3(4) together with a charging device, the <u>consumers and other</u> end-users shall also be offered the possibility to acquire the radio equipment without any charging device.’;</p> <p><u>2. Economic operators shall, in accordance with their obligations stated in Chapter II of Directive 2014/53/EU, ensure that the information on whether or not a charging device is included with the</u></p> |
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| | | <p><i>charging device and cable. That report shall be accompanied, if appropriate, by a proposal to amend this Directive to introduce mandatory unbundling.</i></p> <p><i>2. Economic operators making the radio equipment available to consumers and other end-users shall ensure that radio equipment falling within the scope of Article 3(4) is also accompanied by an easily legible, accessible and understandable graphic indicating whether or not a charging device is offered together with the radio equipment in accordance with the requirements set out in</i></p> | <p><u>equipment referred to in Article 3(4) is displayed in a graphic form using a pictogram as set out in Annex Ia, Part III when such radio equipment is made available to consumers and other end-users. The pictogram shall be printed on the packaging or attached on the packaging as a sticker. The pictogram shall be displayed close to the price indication when the radio equipment is made available to consumers or other end-users. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend the Annex</u></p> | <p><u>radio equipment referred to in Article 3(4) is displayed in a graphic form using a user-friendly and easily accessible pictogram as set out in Annex Ia, Part III when such radio equipment is made available to consumers and other end-users. The pictogram shall be printed on the packaging or attached on the packaging as a sticker. When the radio equipment is made available to consumers and other end-users, tThe pictogram shall be displayed in a visible and legible manner, and in case of distance selling, close to the price indication when the</u></p> |
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| | | | <p><i>Annex Ia, Part III. The graphic shall be placed in a prominent position on the end-user packaging and be clearly visible to the end-user before the purchase, including in cases where the purchase is made on-line. In the absence of packaging, the label shall be attached to the radio equipment. The visual elements shall therefore be displayed in a graphic form and shall enable end-users, including end-users with disabilities, to determine before the purchase of the product whether or not a charging device is included with the radio equipment. The Commission is empowered to</i></p> | <p><u>Ia, Part III, in relation to amendments of Parts I and II of that Annex, in relation to the future amendments to the labelling requirements for external power supplies or in the light of technical progress, by introducing, modifying, adding or removing any graphic or textual elements.’;</u></p> | <p>radio equipment is made available to consumers or other end-users.</p> <p><u>The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend the Annex Ia, Part III, in relation to as a consequence of amendments of Parts I and II of that Annex, in relation to the or of future amendments to the labelling requirements, for external power supplies or in the light of technical progress, by introducing, modifying, adding or removing any graphic or textual elements.’;</u></p> |
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| | | | <p><i>adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part III, by introducing, modifying, adding or removing any details to the graphic in relation to any future labelling requirements for external power supplies or charging cables or in relation to amendments of Part I and II of that Annex.</i></p> | | |
| 49. | Article 1 | (3) in Article 10(8), the following subparagraph is added: | (3) in Article 10(8), the following subparagraph is <i>subparagraphs are</i> added: | (3) in Article 10(8); <u>is replaced by</u> the following subparagraph is added : | (3) in Article 10(8); <u>is replaced by</u> the following subparagraph is added : |
| 50. | | | | <u>8. Manufacturers shall ensure that the radio</u> | <u>8. Manufacturers shall ensure that the radio</u> |

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| | | | <p><u>equipment is accompanied by instructions and safety information. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.</u></p> | <p><u>equipment is accompanied by instructions and safety information. Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a description of accessories and components, including software, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.</u></p> |
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| 51. | | | | <u>The following information shall also be included in the instructions in the case of radio equipment intentionally emitting radio waves:</u> | <u>The following information shall also be included in the instructions in the case of radio equipment intentionally emitting radio waves:</u> |
| 52. | | | | <u>(a) frequency band(s) in which the radio equipment operates;</u> | <u>(a) frequency band(s) in which the radio equipment operates;</u> |
| 53. | | | | <u>(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio</u> | <u>(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment</u> |

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| | | | | <u>equipment operates.</u> | <u>operates.</u> |
| 54. | | | | <u>In the case of radio equipment referred to in Article 3(4) the instructions shall contain information on the specifications relating to the charging capabilities and the compatible charging devices, as described in Annex Ia, Part II. In addition to being included in the instructions accompanying the radio equipment, when the manufacturers make such radio equipment available to consumers and other end-users, the information shall be also displayed on a label,</u> | <u>In the case of radio equipment referred to in Article 3(4) the instructions shall contain information on the specifications relating to the charging capabilities and the compatible charging devices, as described in Annex Ia, Part II. In addition to being included in the instructions</u> <u>accompanying the radio equipment,</u> <u>when the manufacturers make such radio equipment available to consumers and other end-users, the information shall be also displayed on a label,</u> |

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| | | | <p><u>as set out in Part IV to Annex Ia. The label shall be printed on the packaging or attached on the packaging as a sticker. In the absence of a packaging, the sticker with the label shall be attached on the radio equipment. Where the size or nature of the radio equipment does not allow it, the label may be printed as a separate document accompanying the radio equipment. The label shall be displayed close to the price indication, when the radio equipment is made available to consumers or other end-users.</u></p> | <p><u>as set out in Part IV to Annex Ia. The label shall be printed in the instructions and on the packaging or attached on the packaging as a sticker. In the absence of a packaging, the sticker with the label shall be attached on the radio equipment. When the radio equipment is made available to consumers and other end-users, the label shall be displayed in a visible and legible manner and, in case of distance selling, close to the price indication. Where the size or nature of the radio equipment does not allow it, the label may be printed as a separate document accompanying the</u></p> |
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| | | | | | <u>radio equipment.</u> The label shall be displayed close to the price indication, when the radio equipment is made available to consumers or other end-users. |
| 55. | | | | <u>Instructions and safety information referred to in the first to third subparagraphs shall be in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Parts II and IV, to reflect</u> | <u>Instructions and safety information referred to in the first to third subparagraphs shall be in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Parts II and IV, to reflect as</u> |

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| | | | | <u>amendments of Part I of that Annex, the future amendments to the labelling requirements for external power supplies or technical progress, by introducing, modifying, adding or removing any details in relation to the information, graphic or textual elements, as set out in this Article.</u> | <u>a consequence of amendments of Part I of that Annex, the or of future amendments to the labelling requirements for external power supplies or in the light of technical progress, by introducing, modifying, adding or removing any details in relation to the information, graphic or textual elements, as set out in this Article.</u> |
| 56. | | | | | |
| 57. | | | | | |
| 58. | | ‘Radio equipment falling | Radio <i>Manufacturers shall</i> | ‘Radio equipment falling | ‘Radio equipment falling |

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| | <p>within the scope of Article 3(4) first subparagraph shall be accompanied by information on specifications relating to charging capabilities and to its charging device, as described in Annex Ia, Part II. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part II, by introducing, modifying, adding or removing any details in relation to that information or the way that such information shall be indicated.’;</p> | <p><i>ensure that radio</i> equipment falling within the scope of Article 3(4) first subparagraph shall be <i>is also</i> accompanied by information on specifications relating to charging capabilities and to its charging device, as described in Annex Ia, Part II. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part II, by introducing, modifying, adding or removing any details in relation to that information or the way that such information shall be indicated.</p> | <p>within the scope of Article 3(4) first subparagraph shall be accompanied by information on specifications relating to charging capabilities and to its charging device, as described in Annex Ia, Part II.</p> <p>The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part II, by introducing, modifying, adding or removing any details in relation to that information or the way that such information shall be indicated.;</p> | <p>within the scope of Article 3(4) first subparagraph shall be accompanied by information on specifications relating to charging capabilities and to its charging device, as described in Annex Ia, Part II.</p> <p>The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part II, by introducing, modifying, adding or removing any details in relation to that information or the way that such information shall be indicated.;</p> |
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| 59. | | | <p><i>Manufacturers shall ensure that radio equipment falling with the scope of Article 3(4) is accompanied by an easily legible, accessible and understandable label to provide information on the charging capabilities of the specific radio equipment as set out in Annex Ia, Part IV. The label shall be placed in a prominent position on the end-user packaging, and shall be clearly visible to the end-user before the purchase, including in cases where the purchase is made on-line. In the absence of packaging, the label shall be attached to the radio equipment. The label shall also be displayed on the</i></p> | | |
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| | | | <p><i>instructions for use, which accompany the radio equipment. The Commission is empowered to adopt delegated acts in accordance with Article 44 in order to amend Annex Ia, Part IV, by introducing, modifying, adding or removing any details to the label in relation to any future labelling requirements for external power supplies or charging cables or in relation to amendments of Parts I and II of that Annex. The Commission shall also consider introducing a user-friendly legend distinguishing different power categories of charging devices.</i></p> | | |
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| 60. | | | <p><i>A Member State may, within its territory, provide that instruction and safety information and, where applicable, the graphic and the label are to be written in a language or languages easily understood by consumers and other end-users, as determined by that Member State.</i></p> | | |
| 61. | Article 1 (3a) (new) | | <p><i>(3a) in Article 11, the following paragraph is added:</i></p> <p><i>‘2a. If mandated by the manufacturer to make radio equipment available to consumers and other end-users, an authorised representative shall ensure</i></p> | | |

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| | | | <p><i>that</i></p> <p><i>(a) radio equipment referred to in Article 3(4) displays and is supplied with the label and accompanied with the information referred to in Article 10(8); and</i></p> <p><i>(b) the label is displayed in a prominent position on the end-user packaging when the radio equipment is made available to consumers or other end-users.</i></p> | | |
| 62. | Article 1 (3b) (new) | | <p><i>(3b) in Article 12(4), the following subparagraph is added:</i></p> <p><i>‘Importers, when making radio equipment available to</i></p> | <p><u>(3a) in Article 12</u></p> <p><u>‘Importers shall ensure that radio equipment referred to in Article 3(4) displays or is supplied with the label in</u></p> | <p><u>(3a) in Article 12</u></p> <p><u>‘Importers shall ensure</u> <u>thatWhen they make</u> <u>radio equipment</u> <u>referred to in Article</u></p> |

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| | | | <p><i>consumers and other end-users shall ensure that radio equipment referred to in Article 3(4) displays and is supplied with the label and accompanied with the information referred to in Article 10(8). Importers shall ensure that the label is displayed in a prominent position on the end-user packaging when the radio equipment is made available to consumers or other end-users.</i></p> | <p><u>accordance with Article 10(8), third subparagraph when they make such radio equipment available to consumers and other end-users.-Importers shall ensure that the label and the pictogram are displayed close to the price indication when the radio equipment is made available to consumers or other end-users.;</u></p> | <p><u>3(4) available to consumers or other end-users, importers shall ensure that:</u></p> <p>a) <u>such radio equipment displays or is supplied with the label in accordance with Article 10(8), third subparagraph;—when they make such radio equipment—available to—consumers—and other—end-users. Importers—shall ensure that</u></p> <p>b) <u>the label and—the pictogram—are is displayed in a visible and legible manner</u></p> |
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| | | | | | <u>and, in case of distance selling, close to the price indication when the radio equipment is made available to consumers or other end-users.;</u> |
| 63. | Article 1 (3c) (new) | | <p><i>(3c) in Article 13(2), the following subparagraph is inserted after the first subparagraph:</i></p> <p><i>‘Distributors, when making radio equipment available to consumers and other end-users shall ensure that radio equipment referred to in Article 3(4) displays and is supplied with the label and</i></p> | <p><u>(3b) In Article 13(2), the following subparagraph is added after the second subparagraph:</u></p> <p><u>‘Distributors shall ensure that radio equipment referred to in Article 3(4) displays or is supplied with the label in accordance with Article 10(8), third subparagraph when they</u></p> | <p><u>(3b) In Article 13(2), the following subparagraph is added after the second subparagraph:</u></p> <p><u>“Distributors shall ensure that</u> <u>When they make radio equipment referred to in Article 3(4) available to consumers or other end-users,</u></p> |

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| | | | <p><i>accompanied with the information referred to in Article 10(8). Distributors shall ensure that the label is displayed in a prominent position on the end-user packaging when the radio equipment is made available to consumers or other end-users.</i></p> | <p><u>make such radio equipment available to consumers and other end users. Distributors shall ensure that the label and the pictogram are displayed close to the price indication when the radio equipment is made available to consumers or other end-users.</u></p> | <p><u>distributors shall ensure that:</u></p> <p>a) <u>such radio equipment displays or is supplied with the label in accordance with Article 10(8), third subparagraph;—when they make such radio equipment—available to—consumers—and other—end-users. Distributors—shall ensure that</u></p> <p>b) <u>the label and—the pictogram—are is displayed in a visible and legible manner and, in case of distance selling, close</u></p> |
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| | | | | | <p><u>to the price indication</u></p> <p><u>when the radio</u></p> <p><u>equipment is made</u></p> <p><u>available to</u></p> <p><u>consumers or other</u></p> <p><u>end-users.</u></p> |
| 64. | Article 1 (4) | (4) in Article 17(2), the phrase ‘Article 3(1)’ is replaced by the phrase ‘Article 3(1) and (4)’; | (4) in Article 17(2), the phrase ‘Article 3(1)’ is replaced by the phrase ‘Article 3(1) and (4)’; | (4)in Article 17(2), the phrase ‘Article 3(1)’ is replaced by the phrase ‘Article 3(1) and (4)’; | (4) in Article 17(2), the phrase ‘Article 3(1)’ is replaced by the phrase ‘Article 3(1) and (4)’; |
| 65. | Article 1 (5) | (5) Article 40 is amended as follows: | (5) Article 40 is amended as follows: | (5) Article 40 is amended as follows: | (5) Article 40 is amended as follows: |
| 66. | Article 1 (5) (a) | (a) the title is replaced by the following: | (a) the title is replaced by the following: | (a) the title is replaced by the following: | (a) the title is replaced by the following: |
| 67. | | ‘Procedure at national level for | ‘Procedure at national level for | ‘Procedure at national level for | ‘Procedure at national level for |

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| | | dealing with radio equipment presenting a risk or not in compliance with essential requirements’; | dealing with radio equipment presenting a risk or not in compliance with essential requirements’; | dealing with radio equipment presenting a risk or not in compliance with essential requirements’; | dealing with radio equipment presenting a risk or not in compliance with essential requirements’; |
| 68. | Article 1 (5) (b) | (b) in paragraph 1, first subparagraph, the words ‘or does not comply with at least one of the applicable essential requirements set out in Article 3’ are added after the words ‘public interest protection covered by this Directive’; | (b) in paragraph 1, first subparagraph, the words ‘or does not comply with at least one of the applicable essential requirements set out in Article 3’ are added after the words ‘public interest protection covered by this Directive’; | (b) in paragraph 1, first subparagraph, the words ‘or does not comply with at least one of the applicable essential requirements set out in Article 3’ are added after the words ‘public interest protection covered by this Directive’; | (b) in paragraph 1, first subparagraph, the words ‘or does not comply with at least one of the applicable essential requirements set out in Article 3’ are added after the words ‘public interest protection covered by this Directive’; |
| 69. | Article 1 (5) (ba) (new) | | <i>(ba) in paragraph 5, the following point is added:</i> <i>‘(ba) When carrying out market surveillance of radio equipment falling within the scope of Article 3(4), the</i> | | |

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| | | | <i>relevant authorities shall check the economic operators' obligations of information about the charging capabilities in Article 10(8).'</i> | | |
| 70. | Article 1 (6) | (6) Article 43(1) is amended as follows: | (6) Article 43(1) is amended as follows: | (6) Article 43(1) is amended as follows: | (6) Article 43(1) is amended as follows: |
| 71. | Article 1 (6) (-aa) (new) | | <i>(-aa) the following point is inserted after point (f): '(fa) the graphic as referred to in Article (3a) or the label as referred to in Article 10(8), subparagraph (xxx), Article 11(xxx), Article 12(xxx) and Article 13(xxx) has not been drawn up correctly;'</i> | | <u><i>(-aa) the following point is inserted after point (f): '(fa) the pictogram as referred to in Article 3a(2), or the label as referred to in Article 10(8) has not been drawn up correctly ;'</i></u> |

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| 72. | Article 1 (6) (-ab) (new) | | <p><i>(-ab) the following point is inserted after point (f):</i></p> <p><i>‘(fb) the graphic as referred to in Article (3a) or the label as referred to in Article 10(8), subparagraph (xxx), Article 11(xxx), Article 12(xxx) and Article 13(xxx) does not accompany the relevant radio equipment;’</i></p> | | <p><u><i>(-ab) the following point is inserted after point (f):</i></u></p> <p><u><i>‘(fb) the label as referred to in Article 10(8) does not accompany the radio equipment concerned ;’</i></u></p> |
| 73. | Article 1 (6) (-ac) (new) | | <p><i>(-ac) the following point is inserted after point (f):</i></p> <p><i>‘(fc) the graphic as referred to in Article (3a) or the label as referred to in Article 10(8), subparagraph (xxx), Article 11(xxx), Article 12(xxx) and Article 13(xxx) is not</i></p> | | <p><u><i>(-ac) the following point is inserted after point (f):</i></u></p> <p><u><i>‘(fc) the pictogram or the label is not affixed or displayed in accordance with Articles 3a(2) and 10(8) respectively;’</i></u></p> |

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| | | | <i>displayed correctly;</i> | | |
| 74. | Article 1 (6) (a) | (a) in point (h), the words ‘information on the intended use of radio equipment’ are replaced by the words ‘the information’; | <p>(a) in point (h), the words ‘information on the intended use of radio equipment’ are replaced by the words ‘the information’; <i>(a) point (h) is replaced by the following:</i></p> <p><i>‘(h) the information as set out in Article 10(8), subparagraphs 1, 2 and 3, the information on the EU declaration of conformity as set out in Article 10(9) or the information on usage restrictions, as set out in Article 10(10) does not accompany the radio equipment;’</i></p> | <p>(a) in point (h) <u>is replaced by the following:</u> ; the words ‘information on the intended use of radio equipment’ are replaced by the words ‘the information’</p> <p><u>‘the information, the EU declaration of conformity or usage restrictions as set out in Article 10(8), (9) and (10) do not accompany the radio equipment or the pictogram set out in Article 3a(2) or the label set out in Article 10(8), third subparagraph are not displayed or supplied’;</u></p> | <p>(a) in point (h) <u>is replaced by the following:</u> ; the words ‘information on the intended use of radio equipment’ are replaced by the words ‘the information’</p> <p><u>‘the information as set out in Article 10(8), the EU declaration of conformity as set out in Article 10(9) or the information on usage restrictions as set out in Article 10(8), (9) and (10) does not accompany the radio equipment-or the pictogram set out in Article 3a(2) or the label set out in Article 10(8), third</u></p> |

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| | | | | | <u>subparagraph are not displayed or supplied</u> ; |
| 75. | Article 1 (6) (b) | (b) point (j) is replaced by the following: | (b) point (j) is replaced by the following: | (b) point (j) is replaced by the following: | (b) point (j) is replaced by the following: |
| 76. | | ‘(j) Article 3a or 5 is not complied with.’; | ‘(j) Article 3a or 5 is not complied with.’; | ‘(j) Article 3a(1) or Article 5 is not complied with.’; | ‘(j) Article 3a(1) or Article 5 is not complied with.’; |
| 77. | Article 1 (7) | (7) Article 44 is amended as follows: | (7) Article 44 is amended as follows: | (7) Article 44 is amended as follows: | (7) Article 44 is amended as follows: |
| 78. | Article 1 (7) (a) | (a) in paragraph 2, the following sentence is inserted after the first sentence: | (a) in paragraph 2, the following sentence is inserted after the first sentence: | (a) in paragraph 2, the following sentence is inserted after the first sentence: | (a) in paragraph 2, the following sentence is inserted after the first sentence: |

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| 79. | | ‘With respect to delegated acts referred to in Articles 3(4) and Article 10(8), third subparagraph, the power to adopt delegated acts is conferred on the Commission for a period of five years from [OP please insert date of entry into force of this Directive]’; | With respect to delegated acts referred to in Articles Article 3(3), first subparagraph, point (a), in Article 3(3), second subparagraph, point (a), in Article 3(4) and in Article 10(8), third subparagraph, fourth and fifth subparagraphs , the power to adopt delegated acts is conferred on the Commission for a period of five years from ... [OP please insert the date of entry into force of this Directive]; | ‘With respect to delegated acts referred to in Articles 3(4) and Article 10(8), third subparagraph, the power to adopt delegated acts <u>referred to in Article 3(4), Article 3a(2) and in Article 10(8), fifth subparagraph shall be</u> is conferred on the Commission for a period of five years from [OP please insert date of entry into force of this Directive]’; | ‘With respect to delegated acts referred to in Articles 3(4) and Article 10(8), third subparagraph, the power to adopt delegated acts <u>referred to in Article 3(4), Article 3a(2) and in Article 10(8), fifth subparagraph shall be</u> is conferred on the Commission for a period of five years from [OP please insert date of entry into force of this Directive]’; |
| 80. | Article 1 (7) (b) | (b) in paragraphs 3 and 5, the phrase ‘Articles 3(3), 4(2) and 5(2)’ is replaced by the phrase ‘Article 3(3), Articles 3(4), 4(2) | (b) in paragraphs 3 and 5, the phrase ‘Articles 3(3), 4(2) and 5(2)’ is replaced by the phrase ‘Article 3(3), Articles | (b) in paragraphs 3 and 5, the phrase ‘Articles 3(3), 4(2) and 5(2)’ is replaced by the phrase ‘Article 3(3), Article | (b) in paragraphs 3 and 5, the phrase ‘Articles 3(3), 4(2) and 5(2)’ is replaced by the phrase ‘Article 3(3), Article |

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| | | and 5(2), and of Article 10(8), third subparagraph’; | Article 3(4), <i>Article</i> 4(2) and <i>Article</i> 5(2), and of Article 10(8), third subparagraph, <i>fourth and fifth subparagraphs</i> ’; | 3(4), <u>Article 3a(2)</u> , Article 4(2), Article 5(2), and of Article 10(8), <u>fifth</u> third subparagraph’; | 3(4), <u>Article 3a(2)</u> , Article 4(2), Article 5(2), and of Article 10(8), <u>fifth</u> third subparagraph’; |
| 81. | Article 1 (7) (ba) (new) | | | <p><u>(c) the following paragraph is added:</u></p> <p><u>"3a. Before adopting a delegated act, the Commission shall consult experts designated by each Member State in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making".</u></p> | <p><u>(c) the following paragraph is added:</u></p> <p><u>"3a. Before adopting a delegated act, the Commission shall consult experts designated by each Member State in accordance with the principles laid down in the Interinstitutional Agreement of 13 April 2016 on Better Law-Making".</u></p> |

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| 82. | Article 1 (7a) (new) | | <p><i>(7a) in Article 47, the following paragraph is added:</i></p> <p><i>‘2a. The Commission shall review the application of this Directive in relation to new charging technologies and, report thereon to the European Parliament and to the Council by ... [three years after the date entry into force of this Directive], and every three years thereafter. That report shall address in particular:</i></p> <p><i>(a) the application of Article 3a and Article 3(3), first subparagraph, point (a) and Article 3(4) and the progress made in drawing up</i></p> | <p><u>(7a) in Article 47, the following paragraph is added:</u></p> <p><u>‘2a. By [five years after the date of entry into force of this Directive], the Commission shall submit to the European Parliament and the Council a report on the impact of the possibility to acquire the radio equipment without any charging device, notably with regard to the consumer convenience, reduction of environmental waste, behavioural changes and the evolution of market practices. That report shall be accompanied, if</u></p> | <p><u>(7a) in Article 47, the following paragraph is added:</u></p> <p><u>‘2a. By fivefour years after the date of entry into force of this Directive], the Commission shall submit to the European Parliament and the Council a report on the impact of the possibility to acquire the radio equipment without any charging device and without cable, notablyparticularly with regard to the consumer convenience, reduction of environmental waste, behavioural changes and the evolution of market practices. That report shall</u></p> |
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| | | | <p><i>the relevant European standards and the technical specifications necessary to ensure that portable radio equipment is interoperable with wireless charging technologies;</i></p> <p><i>(b) any scientific and technological developments that can affect the technical specification set out in Annex Ia, Part I on products covered, charging speed, power requirements, energy efficiency or the emergence of new standards or technologies.</i></p> <p><i>Where appropriate and where there is a technical need, the report referred to in the first</i></p> | <p><u>appropriate, by a proposal to amend this Directive to introduce mandatory unbundling.'</u></p> | <p><u>be accompanied, if appropriate, by a proposal to amend this Directive to introduce mandatory unbundling.'</u></p> |
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| | | | <i>subparagraph shall be accompanied by a proposal for amendment of this Directive or a delegated act in accordance with Article (add respective Article).</i> | | |
| 83. | Article 1 (8) | (8) the text set out in the Annex to this Directive is inserted as Annex Ia. | (8) the text set out in the Annex to this Directive is inserted as Annex Ia. | (8) the text set out in the Annex to this Directive is inserted as Annex Ia. | (8) the text set out in the Annex to this Directive is inserted as Annex Ia. |
| 84. | Article 2 (1) subparag raph 1 | 1. Member States shall adopt and publish, by [<i>OP please insert date – 12 months after adoption of this Directive</i>] at the latest, the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith communicate to the | Member States shall adopt and publish, by ... [<i>OP—please insert date—12</i> six months after <i>the date of entry into force</i> of this Directive] at the latest, the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith | Member States shall adopt and publish, by [<i>OP please insert date – 12 months after the <u>entry-into-force</u> adoption of this Directive</i>] at the latest, the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith | Member States shall adopt and publish, by [<i>OP please insert date – 12 months after the <u>entry-into-force</u> adoption of this Directive</i>] at the latest, the laws, regulations and administrative provisions necessary to comply with this Directive. They shall forthwith |

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| | | Commission the text of those provisions. | communicate to the Commission the text of those provisions. | communicate to the Commission the text of those provisions. | communicate to the Commission the text of those provisions. |
| 85. | Article 2 (1) subparagraph 2 | They shall apply those provisions from [OP please insert date 12 months after the end of the transposition period indicated in the preceding subparagraph]. | They shall apply those provisions from ... [OP please insert date 12 nine months after the end of the transposition period indicated in the preceding subparagraph]. | They shall apply those provisions from [OP please insert date – 24 12 months after the <u>entry-into-force of this Directive</u> end of the transposition period indicated in the preceding subparagraph]. | <u>They shall apply those provisions from [OP please insert date – 24 12 months after the <u>entry-into-force of this Directive</u> end of the transposition period indicated in the preceding subparagraph] for categories or classes of radio equipment referred to in Annex Ia, Part I, point 1 letters a) to l), and from 40 months after the entry-into-force of this Directive for categories or classes of radio equipment referred to in</u> |

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| | | | | | <u>Annex Ia, Part I, point 1 letter m).</u> |
| 86. | | When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made. | When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made. | When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made. | When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made. |
| 87. | Article 2 (2) | 2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive. | 2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive. | 2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive. | 2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive. |

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| 88. | Article 3 | This Directive shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union. | This Directive shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union. | This Directive shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union. | This Directive shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union. |
| 89. | Article 4 | This Directive is addressed to the Member States. | This Directive is addressed to the Member States. | This Directive is addressed to the Member States. | This Directive is addressed to the Member States. |
| 90. | | Done at Brussels, | Done at Brussels, | Done at Brussels, | Done at Brussels, |
| 91. | | <i>For the European Parliament</i> <i>The President</i> | <i>For the European Parliament</i> <i>The President</i> | <i>For the European Parliament</i> <i>The President</i> | <i>For the European Parliament</i> <i>The President</i> |
| 92. | | <i>For the Council</i> <i>The President</i> | <i>For the Council</i> <i>The President</i> | <i>For the Council</i> <i>The President</i> | <i>For the Council</i> <i>The President</i> |

| Row | Location | COMMISSION | EP Mandate | COUNCIL – 26 January 2022 | COUNCIL – revised mandate |
|-----|---------------|---|---|---|---|
| 93. | | ANNEX Ia | ANNEX Ia | ANNEX Ia | ANNEX Ia |
| 94. | Annex - title | Specifications and information in relation to charging applicable to certain categories or classes of radio equipment | Specifications and information in relation to charging applicable to certain categories or classes of radio equipment | Specifications and information in relation to charging applicable to certain categories or classes of radio equipment | Specifications and information in relation to charging applicable to certain categories or classes of radio equipment |

| Row | Location | COMMISSION | EP Mandate | COUNCIL – 26 January 2022 | COUNCIL – revised mandate |
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| 95. | Annex Ia - part 1 – point -1 (new) | | <i>-1. Categories or classes of radio equipment operating with power delivery of up to 100W falling under the scope of this Directive:</i> | 1. <u><i>The requirements in points 2 and 3 below shall apply to the following categories or classes of radio equipment:</i></u> <u><i>a) hand-held mobile phones,</i></u> | 1. <u><i>The requirements in points 2 and 3 below shall apply to the following categories or classes of radio equipment:</i></u> <u><i>a) hand-held mobile phones,</i></u> |

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| | | | <ul style="list-style-type: none"> - <i>hand-held mobile phones,</i> - <i>tablets, e-readers, laptops,</i> - <i>digital cameras,</i> - <i>headphones, headsets, earbuds,</i> - <i>handheld videogame consoles, keyboards, mice, screens, printers,</i> - <i>portable speakers, portable navigations, digital radios,</i> - <i>smart watches, wearable and health trackers, personal care devices, sport and lighting equipment,</i> - <i>electronic toys.</i> | <ul style="list-style-type: none"> <u>b) tablets,</u> <u>c) digital photo/video cameras not intended for professional use,</u> <u>d) headphones,</u> <u>e) headsets,</u> <u>f) handheld videogame consoles,</u> <u>g) portable speakers,</u> <u>h) e-readers,</u> <u>i) keyboards,</u> <u>j) mice,</u> <u>k) portable navigation systems,</u> | <ul style="list-style-type: none"> <u>b) tablets,</u> <u>c) digital photo/video cameras not intended for professional use,</u> <u>d) headphones,</u> <u>e) headsets,</u> <u>f) handheld videogame consoles,</u> <u>g) portable speakers,</u> <u>h) e-readers,</u> <u>i) keyboards,</u> <u>j) mice,</u> <u>k) portable navigation systems,</u> <u>l) earbuds,</u> <u>m) laptops,</u> |
| 96. | Annex Ia | 1. Hand-held mobile | 1. Hand-held mobile phones, | 1. <u>In so far as they are</u> | 1. <u>In so far as they are</u> |

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| | <p>– Part I – point 1</p> | <p>phones, tablets, digital cameras, headphones, headsets, handheld videogame consoles and portable speakers, in so far as they are capable of being recharged via wired charging, shall:</p> <p>(a) be equipped with the USB Type-C receptacle, as described in the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector</p> | <p>tablets, digital cameras, headphones, headsets, handheld videogame consoles and <i>Categories or classes of portable speakers, in so far as radio equipment listed in point -1 of this Annex insofar as</i> they are capable of being recharged via wired charging, shall:</p> <p>(a) be equipped with the USB Type-C receptacle, as described in the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable</p> | <p><u>capable of being recharged via wired charging, the categories or classes of radio equipment referred to in point 1 letters a) to k) shall:</u></p> <p><u>(a) be equipped with the USB Type-C receptacle, as described in the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification’, which should remain accessible and operational at all times;</u></p> <p><u>(b) be capable, in the case of</u></p> | <p><u>capable of being recharged via wired charging, the categories or classes of radio equipment referred to in point 1 letters a) to km) shall:</u></p> <p><u>(a) be equipped with the USB Type-C receptacle, as described in the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification’, which should remain accessible and operational at all times;</u></p> <p><u>(b) be capable, in the case of</u></p> |
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| | | <p>Specification’, which should remain accessible and operational at all times;</p> <p>(b) be capable, in the case of charging power lower than 60 watts, of being charged with cables which comply with the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector</p> | <p>and Connector Specification’, which should remain accessible and operational at all times;</p> <p><i>Smart watches, wearable and health trackers, personal care devices, sport and lighting equipment are exempted from this provision when the small size of the product does not allow to be equipped with USB Type-C receptacle;</i></p> <p>(b) be capable, in the case of charging power lower than 60 watts, of being charged with</p> | <p><u>charging power lower than 60 watts, of being charged with cables which comply with the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification’.</u></p> | <p><u>charging power lower than 60 watts, of being charged with cables which comply with the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C®™ Cable and Connector Specification’.</u></p> |
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| | | Specification’. | cables which comply with the standard EN IEC 62680-1-3:2021 ‘Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector Specification’. | | |
| 97. | Annex Ia – Part I – point 2 | 2. Hand-held mobile phones, tablets, digital cameras, headphones, headsets, handheld videogame consoles and portable speakers, in so far as they are capable of being recharged via wired charging at voltages higher than 5 volts or currents higher than 3 amperes or | 2. Hand-held mobile phones, tablets, digital cameras, headphones, headsets, handheld videogame consoles and <i>Categories or classes of portable speakers, in so far as they are capable of being recharged via wired</i> | <i><u>3. In so far as they are capable of being recharged via wired charging at voltages higher than 5 volts, currents higher than 3 amperes or powers higher than 15 watts, the categories or classes of radio equipment referred to in point 1 letters a) to k) shall:</u></i> <i><u>(a) incorporate the USB</u></i> | <i><u>3. In so far as they are capable of being recharged via wired charging at voltages higher than 5 volts, currents higher than 3 amperes or powers higher than 15 watts, the categories or classes of radio equipment referred to in point 1 letters a) to km) shall:</u></i> <i><u>(a) incorporate the USB Power</u></i> |

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| | | <p>powers higher than 15 watts, shall:</p> <p>(a) incorporate the USB Power Delivery, as described in the standard EN IEC 62680-1-2:2021 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’;</p> <p>(b) ensure that any additional charging protocol allows the full functionality of the USB Power Delivery referred to</p> | <p>charging at voltages higher than of 5 volts or higher or currents than 3 amperes of 3 amperes or higher or powers higher than of 15 watts or higher shall:</p> <p>(a) incorporate the USB Power Delivery, as described in the standard EN IEC 62680-1-2:2021 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’;</p> <p>(b) ensure that any additional charging protocol allows the full functionality of the</p> | <p><u>Power Delivery, as described in the standard EN IEC 626801-2:2021 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’;</u></p> <p><u>(b) ensure that any additional charging protocol allows the full functionality of the USB Power Delivery referred to in point (a).</u></p> | <p><u>Delivery, as described in the standard EN IEC 626801-2:2021 ‘Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification’;</u></p> <p><u>(b) ensure that any additional charging protocol allows the full functionality of the USB Power Delivery referred to in point (a),</u> <u>irrespective of the charging device used.</u></p> |
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| | | in point (a). | USB Power Delivery referred to in point (a) <i>irrespective of the manufacturer of the charging device.</i> | | |
| 98. | Annex Ia - part 2 – title | INFORMATION ON SPECIFICATIONS RELATING TO CHARGING CAPABILITIES | INFORMATION ON SPECIFICATIONS RELATING TO CHARGING CAPABILITIES | INFORMATION ON SPECIFICATIONS RELATING TO CHARGING CAPABILITIES <u>AND THE COMPATIBLE CHARGING DEVICES</u> | INFORMATION ON SPECIFICATIONS RELATING TO CHARGING CAPABILITIES <u>AND THE COMPATIBLE CHARGING DEVICES</u> |
| 99. | Annex Ia - part 2 – introduct ory part | In the case of radio equipment falling within the scope of Article 3 (4), first subparagraph, the following information shall be indicated in printed form on the packaging or, in the absence of packaging, on a label | In the case of radio equipment falling within the scope of Article 3 (4), first subparagraph , the following information shall be indicated in printed form on the packaging or, in the absence of packaging, on a label <i>attached</i> | In the case of radio equipment falling within the scope of Article 3 (4), first subparagraph, the following information shall be indicated <u>in accordance with the requirements set out in Article 10(8);</u> in printed form | In the case of radio equipment falling within the scope of Article 3 (4), first subparagraph, the following information shall be indicated <u>in accordance with the requirements set out in Article 10(8), and may be</u> |

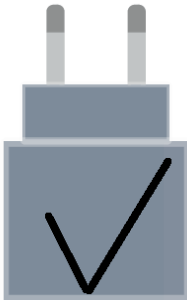
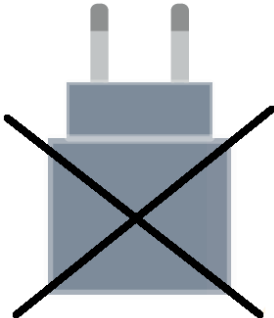
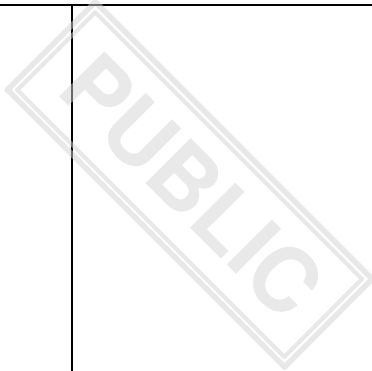
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| | | accompanying the radio equipment with the condition that the label can be visible: | <i>to the radio equipment, including in the instructions and safety requirements</i> accompanying the radio equipment, with the condition that the label can be visible: | on the packaging or, in the absence of packaging, on a label accompanying the radio equipment with the condition that the label can be visible: | <u>made available in addition by means of QR codes or similar electronic solutions</u> in printed form on the packaging or, in the absence of packaging, on a label accompanying the radio equipment with the condition that the label can be visible: |
| 100. | Annex Ia - part 2 – point (a) | a description of the power requirements of the wired charging devices that can be used with that radio equipment, including the maximum power required to charge the radio equipment expressed in watts by displaying the text: “the minimum power delivered by the charger shall be equal to or higher than [xx] Watts”. The number of watts should express | a description of the power requirements of the wired charging devices that can be used with that radio equipment, including the <i>minimum and maximum power required to charge the radio equipment at the maximum charging speed</i> expressed in watts by displaying the text: “the minimum power delivered by the charger shall be equal to or | <u>in the case of all categories or classes of radio equipment which are subject to the requirements of Part I of this Annex</u> , a description of the power requirements of the wired charging devices that can be used with that radio equipment, including <u>the minimum power required to charge the radio equipment, and</u> the maximum power | <u>in the case of all categories or classes of radio equipment which are subject to the requirements of Part I of this Annex</u> , a description of the power requirements of the wired charging devices that can be used with that radio equipment, including <u>the minimum power required to charge the radio equipment, and</u> the maximum power |

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| | | <p>the maximum power required by the radio equipment;</p> | <p>higher than <i>between min [xx] Watts and max [xx] Watts in order to achieve the maximum charging speed</i>'. The number of watts should <i>shall</i> <i>respectively</i> express the <i>minimum and</i> maximum power required by the radio equipment <i>to achieve the maximum charging speed</i>;</p> | <p>required to charge the radio equipment <u>at maximum charging speed</u> expressed in watts by displaying the text: "the minimum power delivered by the charger shall be equal to or higher than [xx] Watts <u>to charge the radio equipment.</u> <u>The maximum power delivered by the charger shall be equal to or higher than [yy] Watts to achieve maximum charging speed.</u>" The number of watts should <u>respectively</u> express <u>minimum power required by the radio equipment, and</u> the maximum power required by the radio equipment <u>to achieve the maximum charging speed</u>;</p> | <p>required to charge the radio equipment <u>at the maximum charging speed</u> expressed in watts by displaying the text: "the minimum power delivered by the charger shall be equal to or higher than <u>between min [xx] Watts required by the radio equipment, and max to charge the radio equipment.</u> <u>The maximum power delivered by the charger shall be equal to or higher than [yy] Watts in order to achieve the maximum charging speed.</u>" The number of watts should <u>shall</u> <u>respectively</u> express <u>the minimum power required by the radio equipment, and</u> the maximum power required by the radio equipment <u>to achieve</u></p> |
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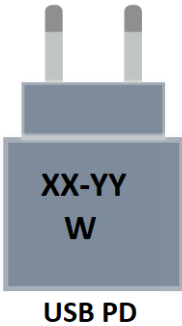
| | | | | | <u>the maximum charging speed;</u> |
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| 101. | Annex Ia - part 2 – point (b) | (a) a description of the specifications in relation to charging capabilities of the radio equipment, in so far as they are capable of being recharged via wired charging at voltages higher than 5 volts or currents higher than 3 amperes or powers higher than 15 watts, including an indication that the radio equipment supports the USB Power Delivery charging protocol by displaying the text “USB PD fast charging” and an indication of any other | (a) a description of the specifications in relation to charging capabilities of the radio equipment, in so far as they are capable of being recharged via wired charging at voltages higher than of 5 volts or higher or currents higher than of 3 amperes or powers higher than or powers of 15 watts or higher , including an indication that the radio equipment supports the USB Power Delivery charging protocol by displaying the text “USB PD fast charging” and an | (a) <u>in the case of radio equipment which is subject to the requirements of point 3 of Part I of this Annex</u> , a description of the specifications in relation to charging capabilities of the radio equipment, in so far as they are capable of being recharged via wired charging at voltages higher than 5 volts or currents higher than 3 amperes or powers higher than 15 watts, including an indication that the radio equipment supports the | (a) <u>in the case of radio equipment which is subject to the requirements of point 3 of Part I of this Annex</u> , a description of the specifications in relation to charging capabilities of the radio equipment, in so far as they are capable of being recharged via wired charging at voltages higher than 5 volts or currents higher than 3 amperes or powers higher than 15 watts, including an indication that the radio equipment supports the USB Power Delivery charging protocol by displaying the text “USB PD fast charging” and an |

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| | | supported charging protocol by displaying its name in text format. | indication of any other supported charging protocol by displaying its name in text format. | USB Power Delivery charging protocol by displaying the text “USB PD fast charging” and an indication of any other supported charging protocol by displaying its name in text format. | indication of any other supported charging protocol by displaying its name in text format. |
| 102. | Annex Ia - part 2 – Conclu sion | (b) Such information shall be in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned, and shall be clear, understandable and intelligible.’ | (b) <i>Such information shall also be provided and displayed online in the case of distance sales.</i> Such information shall be in a language <i>and format</i> which can be easily understood by consumers and other end-users, <i>including persons with disabilities</i> , as determined by the Member State concerned, and shall be clear, <i>accurate</i> , | (b) Such information shall be in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned, and shall be clear, understandable and intelligible.’ | (b) Such information shall be in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned, and shall be clear, understandable and intelligible.’ |

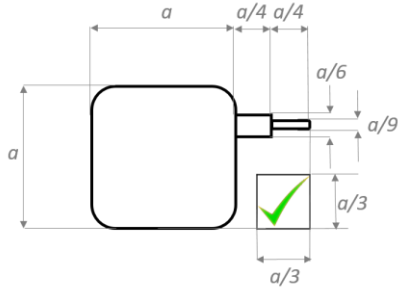
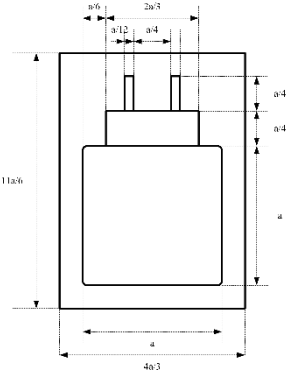
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| | | | <p>understandable and intelligible.’ <i>That information shall also be made available by means of QR codes or other electronic solutions.</i></p> | | |
| 103. | Annex Ia – Part II a | | <p><i>Graphic indicating whether or not a charging device is offered together with the radio equipment.</i></p> | | |
| 104. | | | <p><i>The charging device (external power supply device) offered with radio equipment shall be indicated in the form of the following graphic:</i></p> | | |

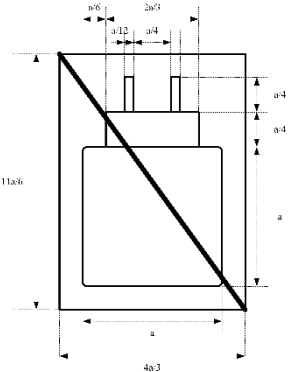
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| | | |  <p><i>The charging device (external power supply device) not offered with radio equipment shall be indicated in the form of the following graphic:</i></p>  <p><i>The graphic shall be of the</i></p> |  | |
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| | | | <p><i>same colour and size complying with the proportions given in the drawings above. The graphic shall also appear in the instructions for use of the specific radio equipment. Graphic shall also be made available by means of QR codes or other electronic solutions.</i></p> | | |
| 105. | Annex Ia – Part II b | | <p><i>Content and format of the label providing information on the charging capabilities of the radio equipment</i></p> <p><i>The label shall be indicated in the following format:</i></p> | | |

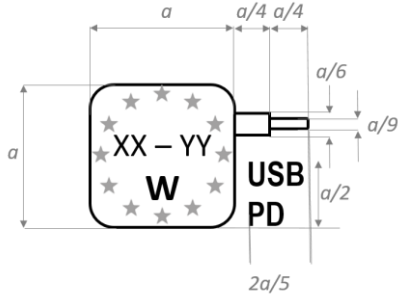
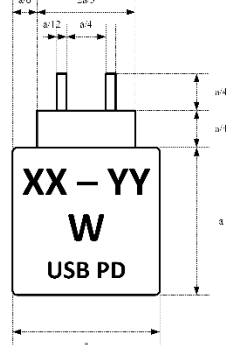
| | | | | |
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| | | <div data-bbox="898 229 1079 555"><p>XX-YY W USB PD</p></div> <p><i>The letters “XX” shall be replaced by the figure corresponding to the minimum power required by the radio equipment to charge. The letters “YY” shall be replaced by the figure corresponding to the maximum power required by the radio equipment, to achieve maximum charging speed. If deemed necessary, a figure may be provided in</i></p> | | |
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| | | | <p><i>brackets indicating the current. The abbreviation “USB PD” shall be displaced if the radio equipment support this fast charging communication protocol.</i></p> <p><i>The label shall be of the same colour and size complying with the proportions given in the drawings above. The label shall also appear in the instructions for use of the specific radio equipment. The label shall also be made available by means of QR codes or other electronic solutions.</i></p> | | |
| 106. | Annex Ia - part 3 – | | | <p><u><i>Part III</i></u></p> <p><u><i>PICTOGRAM INDICATING</i></u></p> | <p><u><i>Part III</i></u></p> <p><u><i>PICTOGRAM INDICATING</i></u></p> |

| | Title (new) | | | <u>WHETHER OR NOT A CHARGING DEVICE IS OFFERED TOGETHER WITH THE RADIO EQUIPMENT</u> | <u>WHETHER OR NOT A CHARGING DEVICE IS OFFERED TOGETHER WITH THE RADIO EQUIPMENT</u> |
|------|-----------------------------------|--|--|--|---|
| 107. | Annex Ia - part 3 – point 1 | | | <p><u>1. The pictogram shall have the following format:</u></p>  | <p><u>1. The pictogram shall have the following formats:</u></p> <p><u>1.1 If a charging device is supplied with the radio equipment :</u></p>  |

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| | | | | | <p><u>1.2 If no charging device is supplied with the radio equipment :</u></p>  |
| 108. | Annex Ia - part 3 – point 2 | | | <p><u>2. In the pictogram above, the box shall be checked with a green mark if a charging device is supplied with the radio equipment, while the box shall remain empty if no</u></p> | <p><u>2. In the pictogram above, the box shall be checked with a green mark if a charging device is supplied with the radio equipment, while the box shall remain empty if no charging device</u></p> |

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| | | | | <u>charging device is supplied with the radio equipment.</u> | <u>is supplied with the radio equipment.</u> |
| 109. | Annex Ia - part 3 – point 3 | | | 3. <u>The pictogram may take different variations (e.g. colour, solid or hollow, line thickness), provided that it remains visible and legible. If the pictogram is reduced or enlarged, the proportions given in the graduated drawings in point 1 above shall be respected.</u> | 32. <u>The pictogram may take different variations (e.g. colour, solid or hollow, line thickness), provided that it remains visible and legible. If the pictogram is reduced or enlarged, the proportions given in the graduated drawings in point 1 above shall be respected. The dimension « a » referred to in point 1 shall be higher than 7 mm, irrespective of the variation.</u> |
| 110. | Annex Ia | | | <u>Part IV</u> | <u>Part IV</u> |

| | Part IV - title (new) | | | <u>CONTENT AND FORMAT OF THE LABEL</u> | <u>CONTENT AND FORMAT OF THE LABEL</u> |
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| 111. | Annex Ia Part IV – point 1 (new) | | | <p><u>1. The label shall have the following format:</u></p>  | <p><u>1. The label shall have the following format:</u></p>  |
| 112. | Annex Ia Part IV – point 2 (new) | | | <p><u>2. The letters “XX” shall be replaced by the figure corresponding to the minimum power required by the radio equipment to charge, which defines the</u></p> | <p><u>2. The letters “XX” shall be replaced by the figure corresponding to the minimum power required by the radio equipment to charge, which defines the</u></p> |

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| | | | | <p><u>minimum power that a charging device should supply to charge the radio equipment. The letters “YY” shall be replaced by the figure corresponding to the maximum power required by the radio equipment to achieve maximum charging speed, which defines the minimum power that a charging device should at least supply for an optimal charge to achieve that maximum charging speed. The abbreviation "USB PD"(USB Power delivery) shall be displayed if the radio equipment supports this charging communication protocol. "USB PD" is a</u></p> | <p><u>minimum power that a charging device should supply to charge the radio equipment. The letters “YY” shall be replaced by the figure corresponding to the maximum power required by the radio equipment to achieve maximum charging speed, which defines the minimum power that a charging device should at least supply for an optimal charge to achieve that maximum charging speed. The abbreviation "USB PD"(USB Power delivery) shall be displayed if the radio equipment supports this charging communication protocol. "USB PD" is a</u></p> |
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| | | | | <u>protocol that negotiates the fastest delivery of current from the charger to the device without shortening the battery lifetime.</u> | <u>protocol that negotiates the fastest delivery of current from the charger to the device without shortening the battery lifetime.</u> |
| 113. | Annex Ia Part IV – point 3 (new) | | | <u>3. The label may take different variations (e.g. colour, solid or hollow, line thickness), provided that it remains visible and legible. If the label is reduced or enlarged, the proportions given in the graduated drawing in point 1 above shall be respected.</u> | <u>3. The label may take different variations (e.g. colour, solid or hollow, line thickness), provided that it remains visible and legible. If the label is reduced or enlarged, the proportions given in the graduated drawing in point 1 above shall be respected. The dimension « a » referred to in point 1 shall be higher than 7 mm, irrespective of the variation.</u> |

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