

# IEC 62368 Updates

## Let UL simplify your transition

As of Dec. 20, 2020, IEC 62368-1-based standards have replaced IEC 60065- and IEC 60950-1-based standards in Europe, Canada, the U.S. and elsewhere. UL's experts would like you to know the following updates:

### Dec. 20, 2020 DOW remains valid in Europe

Although there were separate discussions by CENELEC 108X and two European Union industry trade organizations to consider both a delay of the Date of Withdrawal (DOW) by six to 12 months and petition of the European Commission to extend the same Date of Cessation of Presumption of Conformity, the Dec. 20, 2020, DOW remained as planned.

Therefore, as of Dec. 20, 2020, all audio/visual (AV) and information and communication technology (ICT) products and components placed on the market in Europe should comply with EN 62368-1:2014 if the manufacturer elects to use the harmonized standards path to demonstrate compliance with the essential requirements of the EU Low Voltage Directive (LVD).

### Dec. 20, 2020, effective date also remains valid in Canada and U.S.

Maintaining the long-standing tradition of aligning transition dates with Europe, both Canada and the U.S. have also maintained a Dec. 20, 2020, transition date; however, formal review/conversion of existing certifications is not required. Therefore, only new audio/visual and information and communication technology (ICT) products and components submitted for certification as of Dec. 20, 2020, require the use of CSA/UL 62368-1, the Standard for Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements, (Ed 2 or Ed 3).

See UL's effective date website for more information — <https://ctech.ul.com/en/knowledge-center/ul-62368-1-effective-date-information/>

### Legacy component sub-clause 4.1.1 remains in EN 62368-1 and CSA/UL 62368-1

Since the legacy component sub-clause 4.1.1 remains in both the European and CAN/U.S. versions of IEC 62368-1:2014 and IEC 62368-1:2018, manufacturers may continue to elect to use AV/ICT components that comply with IEC 60065 and IEC 60950-1 in AV/ICT equipment certified to an IEC 62368-1-based standard, both within the IECEE CB Scheme and after Dec. 20, 2020.

However, due to the withdrawal of EN 60065 and EN 60950-1 on Dec. 20, 2020, in Europe, there remains some regulatory uncertainty, which could introduce some residual potential business risk to manufacturers when utilizing 4.1.1 after this date. Therefore, UL's experts recommend that manufacturers consider the decision to use this 4.1.1 provision carefully. For more details, see UL's recent publication of "UL Position on Use of AV/ICT Components Certified to Legacy (EN 60065 and EN 60950-1) Standards in AV/ICT Equipment Intended for EU Market Access After Dec. 20, 2020."\*

### EN IEC 62368-3:2020, published in March 2020, is optional to applicable AV/ICT equipment and components if EN IEC 62368-1:2020 + A11:2020 is selected for certification

For AV/ICT equipment and components with DC power transfer through communication cables and ports, the inaugural edition of EN IEC 62368-3:2020 has special requirements for USB, power over ethernet (PoE) and similar ports (clause 5) and for remote power feed telecommunication (RFT) circuits (clause 6).

As many AV/ICT manufacturers have not been closely following this new standard, its use could be a surprise to some manufacturers when submitting products to EN IEC 62368-1:2020 + A11:2020.

For more details, see the UL paper "IEC 62368-3 Backgrounder and Update."\*



## Work has been discontinued to address the HAS Consultant comments on EN IEC 62368-1:2020 + A11:2020

As widely reported, the Harmonized Standard (HAS) Consultant, on behalf of the European Commission, expressed concern with EN IEC 62368-1:2020 + A11:2020 as part of the mandated prepublication review of EN IEC 62368-1:2020 + A11:2020 for alignment with the EU Low Voltage Directive (LVD). Therefore, EN IEC 62368-1:2020 + A11:2020 (and EN IEC 62368-3:2020) will not be listed in present form in the Official Journal (OJ) of the EU as a method associated with presumption of conformity with the essential requirements of the LVD.

CENELEC TC108X Working Group (06) had begun work on developing a strategy to address these concerns of the HAS Consultant. However, this activity, including subsequent revisions to the impacted standards, has been abandoned with an intent to concentrate efforts on getting the future European version of the Edition No. 4 of IEC 62368-1 accepted by the HAS Consultant.

As a result, for market entry into Europe, AV/ICT equipment manufacturers need to develop a strategy that is appropriate for their company, either using EN 62368-1:2014 as it is used today with its presumption of conformity with the EU LVD, or using EN IEC 62368-1:2020 + A11:2020, but supplemented with additional justification in the product technical file on how conformity with the essential provisions of the Directive is established.

For more details, see the UL paper “Perspective: Movement toward an IEC 62368-1:2018-based standard in Europe – Update.”\*

## Additional IEC 62368-based standards on the horizon

IEC 62368-1-based standards, with announced transition schedules replacing IEC 60065- and IEC 60950-based standards, are currently published in Australia, Canada, Europe, Japan, South Korea, Taiwan and the U.S.

Other countries, including Israel, Saudi Arabia, the UAE and several countries in Africa, have announced their transition schedules similar, in some cases, to Europe, Canada and the U.S.

Additional countries such as China, India and Mexico all have draft versions undergoing review and pending publication or have been published and are actively preparing to announce a formal transition schedule. Note that transition schedules are often subject to change therefore, for the latest status please contact your local UL representatives.

\*All the papers referenced in this update are available in the 62368-1 UL Knowledge Hub. Both Full (paid) and Limited Access (complimentary) subscribers can access them. Full Access subscribers to the toolkit also receive a copy of the latest CSA/UL 62368-1 Standard and UL’s transition guide on IEC 62368-1 Third Edition — approximately 80 pages, including recent updates to reflect the publication of CSA/UL 62368-1 Ed. No. 3 in December 2019 and EN IEC 62368-1:2020 + A11:2020 in March 2020.

Learn more about the standard at [62368-ul-solutions.com/toolkit.html](https://www.ul.com/62368-ul-solutions.com/toolkit.html) or contact us at [www.ul.com/contact-us](https://www.ul.com/contact-us)

We encourage you to contact us if you are interested in any UL’s services associated with IEC 62368-based standards and the global AV/ICT industry transition.



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