

IEC 62368 Updates

Let UL help you make a smooth transition.

Approximately 200 days are left until the December 20, 2020 transition date when IEC 62368-1 -based standards will replace IEC 60065 and IEC 60950-1 -based standards in Europe, Canada, the U.S. and elsewhere. Here is the latest news as of June, 2020.

2020-12-20 DOW remains valid in Europe despite COVID-19.

Although there were separate discussions by CENELEC 108X and two EU Industry Trade organizations to consider both a delay of the DOW by 6-12 months and petition of the European Commission to extend the same Date of Cessation of Presumption of Conformity, currently there is no formal activity to do so due to a variety of reasons, including the fact that the current EU transition period has already been 78 months (5 years + 18 month previous extension) and most accredited laboratories, including CBTLs / NCBs, remain operational and available to provide needed services.

Therefore, as of 2020-12-20, all AV / 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 LVD.

2020-12-20 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 2020-12-20 transition date; however, formal review / conversion of existing certifications is not required. Therefore, only new AV / ICT products and components submitted for certification as of December 20th require use of CSA / UL 62368-1 (Ed 2 or Ed 3).

Please see the UL Effective Date website for more 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 2020-12-20.

Due to the withdrawal of EN 60065 and EN 60950-1 on 2020-12-20 in Europe, there remains some regulatory uncertainty, which as a result could introduce some residual potential business risk to manufacturers when utilizing 4.1.1 after this date. Therefore, UL recommends that manufacturers consider the decision to use this 4.1.1 provision carefully.

For more details, see the UL Paper - 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 2020-12-20.*

EN IEC 62368-3:2020 published in March 2020 is normative to applicable AV / ICT equipment and components if EN IEC 62368-1:2020 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 has special requirements for USB, 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.

For more details, see the UL Paper - IEC 62368-3 Backgrounder & Update.*

Work continues to address the HAS Consultant comments on EN IEC 62368-1:2020.

As widely reported, the Harmonized Standard (HAS) Consultant, on behalf of the European Commission, expressed concern with EN IEC 62368-1:2020 as part of the mandated pre-publication review of EN IEC 62368-1:2020 for alignment with the EU Low Voltage Directive (LVD). Therefore, EN IEC 62368-1:2020 (and EN IEC 62368-3) 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) continues work on developing a strategy to address these concerns of the HAS Consultant. However, this activity, including subsequent revisions to the impacted standards, will not be completed in the short-term.

As a result, for market-entry into Europe, manufacturers of AV / ICT equipment 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 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 and the U.S.

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

Additional countries such as China, India, Japan, Korea, Mexico, and Taiwan all have draft versions undergoing review and pending publication, or have 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 TOOLKIT**, with both Full (paid) and Limited Access (complimentary) subscribers having access to them. Full Access subscribers to the Toolkit also receive a copy of the latest **CSA / UL 62368-1** standard and the **UL Transition Guide on IEC 62368-1 Third Edition** - approx. 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 UL Toolkit at 62368-ul-solutions.com/toolkit.html or contact us at 62368-ul-solutions.com/contact-ul.html.

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



Empowering Trust®

UL and the UL logo are trademarks of UL LLC © 2020.
Distribution Number (e.g. MMY)