

# Proposal to Delete the Wire Mesh Screen from the *Disassembly* Definition

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## Background

- ▶ **Current Disassembly Definition**  
*Disassembly* means a vent or rupture where solid matter from any part of a cell or battery penetrates a wire mesh screen (annealed aluminium wire with a diameter of 0.25 mm and grid density of 6 to 7 wires per cm) placed 25 cm away from the cell or battery.
- ▶ **Problem**  
Test houses like UL have proposed within the IEC to delete the wire mesh screen because it is not practical during many tests such as the Impact and Crush tests.
- ▶ **Solution**  
The IEC working group has drafted the following wording (IEC Document 35/1348/CD):



## IEC Draft

### ▶ **6.2.9 Explosion**

An explosion is considered to have occurred if, during a test, a cell container or battery case opens violently and solid components are forcibly expelled.



## Proposal

- ▶ It is therefore proposed to change the definition of disassembly to the following:
- ▶ *Disassembly* means a vent or rupture where a cell container or battery case opens violently and solid components are forcibly expelled.



**THANK YOU**  
for your attention