

OSM/EE DECISION SHEET

Category	Standard:	Clause	Document no.
ITAV	EN 62368-1:2014 + A11:2017 EN IEC 62368-1:2020 + A11:2020 EN IEC 62368-1:2024 + A11:2024	General	OSM-EE 19/4 rev 1
Subject		Key words	Meeting
Safety related control function depending on software for compliance with EN 60950-1 and EN 62368-1			Ljubljana 2019 Helsinki 2024
Question			
<p>How do OSM/EE treat software control for compliance with EN 60950-1 and EN 62368-1?</p> <p>Example:</p> <p>An integrated circuit is used as a protection to avoid overcharging a lithium battery. The circuit has a register which can turn on a charge circuit, which is causing problems with accepting this part, because failures in the software are not specified. This is also possible while doing testing in single fault condition and at the same time having (in this particular case) the software-controlled charge circuit turned on</p>			
Decision			
As the software evaluation is not part of EN 60950-1 and EN 62368-1, OSM-EE is of the opinion that software control cannot be considered as part of a safety protection system, unless it is in compliance with IEC/EN 61508 series			
Explanatory notes			
<p>See the notes in the scope of EN 62368-1</p> <p>This decision replaces OSM/EE 05/3 and OSM/EE 09/05</p> <p>In Helsinki 2024, OSM-EE decision 19/4 was modified with following changes:</p> <ul style="list-style-type: none"> - add 3rd and 4th editions of EN IEC 62368-1 - remove reference to EN 60950-1 - change category from OFF to ITAV 			