

OSM-BAT DECISION

Standard: EN 62619:2017	Sub clause: 8	Sheet No.: DSH 2230
Subject: Functional safety assessment of battery with BMS developed by third party	Key words: Functional safety BMS	Meeting: Frankfurt 2024
Question: <i>Some battery manufacturers purchase a ready-made Battery Management System (BMS) from a third party. This could lead to a situation in which detailed BMS design is not in full control of battery manufacturer, and makes it difficult for testing houses to assess the code listing (source code) of BMS for IEC 60730-1 Annex H functional safety evaluation, as called out in EN 62619:2017.</i> <i>What can be done if code listing is not accessible to the testing house of battery?</i>		
Decision: In that case, separately assessing code listing with the BMS manufacturer could be an approach that protects their intellectual property.		
Explanatory notes: Referencing IEC 62619: 2017 Clause 8.1, functional safety analysis, according to IEC 60730-1 Annex H or other suitable standard, is essential if the battery system relies on electric, electronic and software controls and systems for critical safety. Not assessing code listing because it is not accessible does not reflect the expectation of standard.		