



OSM/EE DECISION SHEET

| Category | Standard: | Clause | Document no. |
|---|--------------------------------|--------------------------------|--------------|
| ITAV | EN IEC 62368-1:2020 + A11:2020 | 5.7.6 | 23/4 |
| Subject | Key words | Meeting | |
| Safeguard against touch current exceeding ES2 limits | Touch current | Copenhagen 12-13 April 2023 | |
| Question | | | |
| <p>Are safeguards specified in clause 5.7.6 applicable also for cases when touch current exceeds ES2 limits when measured under applicable faults in equipment or supply faults in accordance with clause 6.2.2.3-6.2.2.9 of IEC 60990:2016 (Fault No. 2 to Fault No. 8)?</p> <p>Clause 5.7.6 only specifies safeguard for touch current exceeding ES2 limits for Fault No. 1 (reference to clause 6.2.2.2 of IEC 60990:2016).</p> <p>For example, if touch current for IT system (Fault No. 3) exceeds ES2 limits, can we consider clause 5.7.6 as applicable?</p> | | | |
| Decision | | | |
| <p>Yes. Safeguards specified in clause 5.7.6 are also applicable for Faults 6.2.2.3 - 6.2.2.9 of IEC 60990:2016.</p> | | | |
| Explanatory notes | | | |
| <p>Touch current of earthed accessible parts shall be measured according to clause 5.7.5 considering different faults in equipment or supply faults in accordance with clause 6.2.2 of IEC 60990:2016.</p> <p>Touch current may exceed ES2 limits only for products with a reliable connection to earth as specified in clause 5.7.6.</p> <p>OSM decision 18/5 clarifies that applicable Faults No. 2-8 (excluding Fault No. 7) shall be performed in combination with Fault No. 1. Therefore Clause 5.7.6 is applicable also for Faults No.2-8.</p> | | | |