Detailed explanation of how the paper is **TECHNICALLY EXTENDED**

The present manuscript entitled “Analysis of the magnetic field in the presence of linear sub‑surface cracks using ECT” contains the following differences when compared with the earlier version of manuscript submitted in IMEKO TC10 conference:

* The peak value of the magnetic field components (Bx and Bz) with respect to different length and depth were plotted and their effects were explained in detail to understand the electromagnetic phenomena involved when linear sub-surface cracks exist in a conductive specimen.
* Additional Information about the parameters of the electromagnetic phenomena (skin effect/depth) and the choice of excitation frequency were introduced in the manuscript.
* Experimental results of both magnetic field components were added to the manuscript to compare with simulations.