

5.2.2. COMPARATIVE ANALYSIS OF NORMATIVE DOCUMENTS

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In this work operational and technological standards of defects of weld seams are described (hereafter – Manual on determination of quality levels) in surface area, volume and percentage wise in three quality levels(). Measurements of defects of weld seams in **surface area, volume and percentage wise** corrects mistakes of weld seam in depth and eliminate mistake of interstitial surface area in weld seam cross section.

Quality levels of weld seams are taken from analysis EN 25817 (ISO 5617).

Usage of quality standards in the course of erection, repairs and operation of technical units, equipment allow prevent emergency breakdowns and stoppages which is very important or unsafe manufacturing entities.

The most widely spread objects for quality standards are weld seams. To carry out inspection is possible only if documentation is available, which include allowable tolerances for weld seams and weld seam operation (bridging, undercut, porosity, slag shot, holes etc.) Standards shall fulfill two goals: Ensure that weld seams are strong enough and to have disciplinary effect on welding process.