ABSTRACT

Tank fabrication technology industry is growing rapidly, where it appears in the fabrication process various obstacles or problems. Problems that arise are usually related to the problem of welding, welding is a basic construction that plugging in between the metal in a product tank.

To be able to produce a product tank is safer and superior workmanship demanded in accordance with workplace procedures necessary fabrication and testing is NDE (non destructive examination) in order to know whether there are irregularities, in the form of a defect of welding. The flaw has been detected should be in the interpretation if the defect is accordance with the limits of size and type that refers to the rule adopted in this case refers to the ASME Boiler and Pressure Vessel code Section VIII Division 1. To overcome the problems of disability are not tolerated then the required solution (troubleshoot) of the repair process. The solution is planned in the form of a repair welding procedure

Where this procedure provides step by step improvement process to deform the welding, but it gives a reference to the repair process as agreed upon with the owner, guaranteeing that any work product using the procedures and ensure transparency in the fabrication process that ultimately produced a product with excellent quality.

Key words : fabrication, welding, solution (troubleshoot) Non Destructive Examination (NDE), welding repair procedures.