**Chapter 3**

**Verification**

**3.0 Verification concept**

The intent of this chapter is to present a suitable verification-framework that can be applied to our own in-house solver: les3d-mp. The need for verification arises due to the large number of model development and implementations that have been added to the code. Since CFD is a widely used-tool used across all fields where fluid flow is relevant it is important that decision makers have confidence in the correctness of the CFD predictions.

present a framework to verify les3d-mpp due to the added implementations developed and presented on earlier chapters. The concept of verification is not new it has

received much attention within CFD research groups as a tool to build confidence with numerical algorithms.