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Confidential document**

# OPERATIONAL ENVIRONMENT DESCRIPTION V1

## Executive Summary

The work of 3.6.1 and this document deliverable centre on the conceptual view of the Collaboration Hub and its demonstration environment put together to execute scenarios defined by the selected VIVACE use cases in T3.6.4.

This reports work in progress and as more services will be added to the operational environment, more use cases will be addressed during the course of the project.

The Virtual Enterprise Collaboration Hub (VEC-Hub) will provide a framework where stakeholders will provide and share sets of web services that will be dynamically assembled to execute scenarios in a virtual enterprise.

Initial set-up of an experimental VEC-Hub with software from ECS and Engineous has been accomplished. The aim was to test the concept of assembling shared web services among partners.

Hardware specifications for the software platform have been developed such that partners can quickly join the Collaboration Hub.

Hardware for a VIVACE permanent VEC-Hub setup has been installed and the first sets of services are being tested

This is in turn already used by other use cases within VIVACE.

For FORUM 1 the following use cases will be supported and use the VEC-Hub:

- 2.3.3 WEM update; structural
- 2.3.5 Turbine Rotor design
- 2.4.1 PROOSIS Engine performance models
- 2.3.1 Whole Engine Model; CAD based
- 2.3.4 Whole Engine Model; structural

More use cases are in the pipeline for later on in the project.