

CAS 741: Problem Statement

Glass Breakage Analysis

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Table 1: Revision History

Date	Developer(s)	Change
09/16/18	Vajiheh Motamer	Initial Draft
09/23/18	Vajiheh Motamer	Formatting updates, content updates related to the project scope

1 Introduction

Glass Breakage Analysis is a computer program developed to interpret the inputs to give out the outputs which predict whether the glass slab can withstand the blast under the given conditions. The blast under consideration is any type of man-made blast load. Software is helpful to efficiently and correctly predict the blast risk involved with the glass slab using an intuitive interface.

2 Importance

Historical records show that fragments from shattered glass as the result of blast load present a serious threat of personal injury for people.

3 Context

The stakeholders for this software are software tutorial makers, software tutorial users, technical support, technical support users, group members, and future developers. A Team will maintain it throughout the product's lifespan. The consumers will be the end-users who will consume a safe glass. The software should run on a variety of personal desktop or laptop computers using Linux, Windows, or MacOS for use by a broad user base.