Memo on White Paper

Your Name (First M. Last)

School or Institution Name (University at Place or Town, State)

Memo on White paper

To:

From:

Date:

Subject: Research and Development Initiatives on Packaging Testing

**Purpose**

This paper aims at articulating the research efforts completed in addition to the future R&D efforts to examine and comprehend the several packaging tests for hazardous material (HM).

**Introduction**

In 1990, the Department of Transportation (DOT) Research and Special Projects Administration (RSPA), transitioned from a network of specification aimed packaging to a network of performance-oriented packaging. It collaborated with the prominent international organizations like the International Maritime Organization (IMO) and the United Nations (UN). The change permits significant flexibility to the packaging manufacturers while designing the packages. Consequently, innovative packaging was available on the market to thoroughly fit the needs of HM shippers and filters. To ensure the profound safety of the packages shipped, PHMSA implemented a new series of design requirement tests which every design should pass prior to the authorization for shipment.

**Conclusion**

These tests emphasized in the Hazardous Materials Regulations (HMR), mention a wide range of test parameters that ought to be followed. In certain instances, the critical matter of conducting the tests is left for the tester to recognize. It has caused the existence of the phenomenon where several manufacturers and labs have established proprietary techniques which fit with the requirements of HRM but differ in several ranges of details. Because of the element of the variances in testing methods, the Office of Hazardous Materials Safety (OHMS) launched a critical study for FY 2013 to identify the variances and evaluate whether they have any impact on the outcomes of the results. A wide range of tests has been conducted to determine the instances and events in a specific condition.