

# SUMMARY

## I. Subject

A Study on the Electrical Fire Safety Assessment for Electric Home Appliances

## II. Contents and Scopes of the study

- The fundamental data collection and analysis
  - The fire safety criteria and safety devices for electric home appliances are collected from domestic and foreign countries
  - The electrical fire patterns for electric home appliances are investigated and analyzed from domestic and foreign countries
- Building fire experimental methods and simulation for electric home appliances
  - Constructing and analyzing experimental methods
  - To analyze ignition characteristic for electric home appliances and to evaluate safety devices
- The analysis of electrical fire hazards for electric home appliances
  - Fire experiment for simulation and safety assessment according to each component and element
  - Analysis of fire pattern according to each products
- The countermeasure presentation to prevent electrical fire in electric home appliances