

The 3rd STAMP Workshop in Japan

Title

An attempt to apply the STPA method to business processes --To derive requirements of system development--

Speaker, Authors

JFP, Inc. HIROSHI NAKAMURA

Abstract

Regarding business systems, there are still many system failures due to deficiencies in the requirements definition. If it can analyze business processes subject to systemization and extract failure factors, it becomes an effective solution. Although the application of the STAMP / STPA method is advanced in the control system, it can not be said that the application method to the business process is being developed. In this issue, we tried STPA analysis on the subject of the sales process of the wholesale industry, and derived requirements for systemization from safety constraints detailed and detailed by analysis.

The business process was described using the data flow diagram and the activity diagram, and the STPA procedure was applied by referring to it. I will introduce the methodology used there and discuss the following points: 1) to describe the control structure from the business process, 2) to be able to identify UCA's, 3) to derive the requirements for systemization .

Keywords

- (1) business process
- (2) activity diagram