

Explanation of Entry Points

2015/Nov/20

The purpose of this sheet is to carry out the Job Hazard Analysis (Risk assessment).

The explanation of the entry contents are shown down below.

	<input checked="" type="checkbox"/>							
I found		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">an incident / a near-misses.</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">a hazard.</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;">an accident.</td> <td style="text-align: center; padding: 2px;"><input type="checkbox"/></td> </tr> </table>	an incident / a near-misses.	<input type="checkbox"/>	a hazard.	<input type="checkbox"/>	an accident.	<input type="checkbox"/>
an incident / a near-misses.	<input type="checkbox"/>							
a hazard.	<input type="checkbox"/>							
an accident.	<input type="checkbox"/>							

← Choose one, and check it please.

Location: Entry of the place easily.	Date:	Analyst:
Task description: Entry of the work contents easily.		
Event description: Entry of the event that you found.		
What is the keyword to express the event that you found? Fill in keywords to explain the event.		

Fault Tree Analysis:

<http://www.hq.nasa.gov/office/codeq/risk/docs/ftacourse.pdf>

http://www.geocities.jp/takaro_u/fta.html

The FTA is a procedure to extract the problems that should be improved by a top-down method.

Prosedure:

- 1) Write in the accident that occurred or an assumed accident to the "top event" briefly.
- 2) Resolve into factors the "top event". And, fill to "intermediate events" them.
- 3) Join the "intermediate events" with and/or gates, and draw a line to the "top event".
- 4) Break down the "intermediate events" into the most basic causes. And fill them to the "basic events".
- 5) Join the "basic events" with and/or gates, and connect to related "intermediate events".
- 6) Apply probability of a "basic event" from one of the sensible expression of the lower table.
- 7) Fill the numerical value corresponding to the expression of the table under the "basic event".
- 8) Carry out the Boolean operation for the gates and calculate probability of the "intermediate events" and "top event".
- 9) Because the value of point in the table has no meaning, ignore the absolute value of calculated probability.
- 10) Relatively watch the numerical value, find the most influential "basic event" for the "top event". Therefore, pay attention to the "basic event" of upper reaches of the "intermediate event" of the maximum probability.
- 11) Suggest effective risk reduction measure for the found "basic event", and fill to the column of "Risk Control".
- 12) Revise to the solid lines from the dotted lines of used boxes and gates.
- 13) Reflect the views of the world such as "environment/exposure/trigger/consequence/other factors" or the Six Ws (Who/what/When/Where/Why/How) to FTA so that there is not a leak of the "events".

Terminologies:

- harm : injury or damage to the health of people, or damage to property or the environment
- hazard : potential source of harm
- hazardous event : event that can cause harm
- risk reduction measure : action or means to eliminate hazards or reduce risks