

1 Problem

What	Problem(s)	Man thrown from plane, killed
When	Date	March 29, 2013
	Time	1515
	Different, unusual, unique	Canopy came off; seat belt not buckled
Where	State, city	Southeastern Tennessee
	Equipment	Zodiac 601 aircraft
	Task being performed	Learning to fly from instructor

Impact to the Goals

Safety	Death of passenger
Environmental	N/A
Customer Service	Death of passenger
Production-Schedule	N/A
Property, Equip, Mtls	?
Labor, Time	Search for body

EJECTION FROM PLANE

Cause Map

Man falls 2,500' to death due to not wearing a seat belt

"The people inside the plane were not wearing seat belts. So when they lost control of the plane, in an attempt to regain control of the plane, the passenger was ejected."
 - Bradley County Emergency Management Agency Director

Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

CAUSE MAPPING

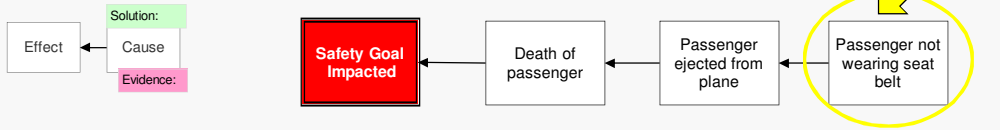
Problem Solving • Incident Investigation • Root Cause Analysis

- Step 1 Problem** - What's the Problem?
- Step 2 Analysis** - Why did it happen?
- Step 3 Solutions** - What will be done?

Although there are, as always, multiple causes that resulted in the incident, the passenger death would have almost certainly been avoided had his seat belt been properly fastened.

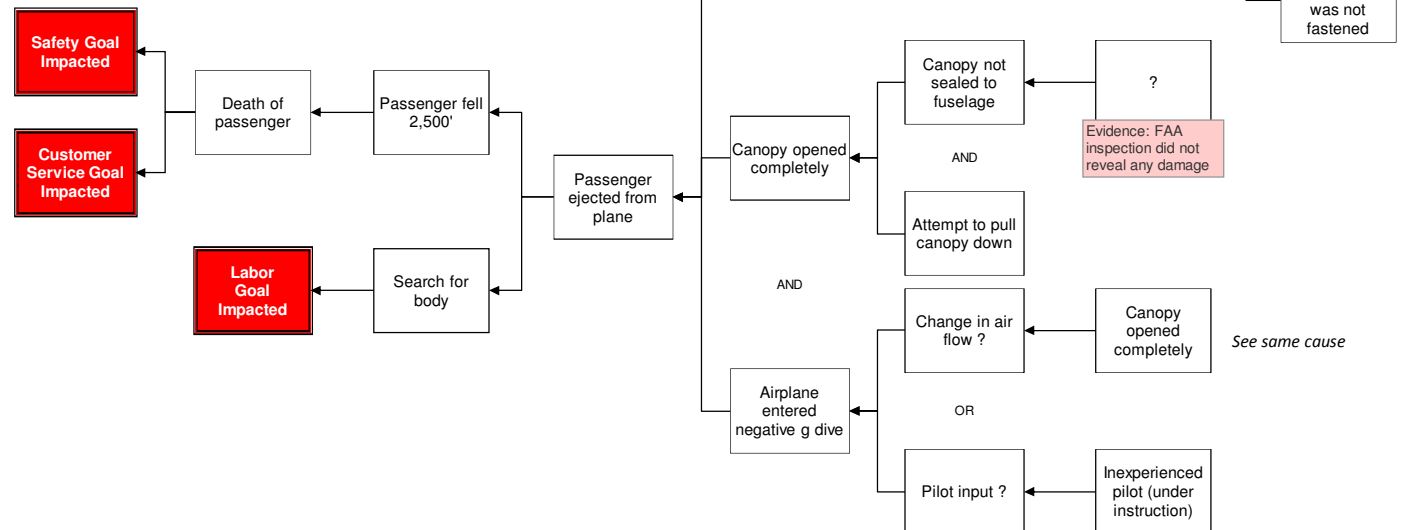
2 Analysis

Basic Level Cause Map - Start with simple Why questions.



More Detailed Cause Map

Add detail as information becomes available.



For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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