RUNWAY OVERRUN IN NEW YORK

1 Problem

What	Problem(s)	Runway overrun
When	Date	March 5, 2015
	Time	11:15 AM
	Different, unusual, unique	Snowy runway, tricky handling characteristics of plane
Where	Facility, site	LaGuardia airport in New York
	Unit, area, equipment	Boeing MD-88
	Task being performed	Landing/ touch down

Impact to the Goals

Safety	23 passenger minor injuries (per NTSB)
Environmental	Leak of fuel (quantity unknown)
Customer Service	Scary landing, evacuation
Regulatory	?
Production/ Schedule	Air traffic shut down for 3 hours
Property/ Equipment	Significant damage to airplane
	Significant damage to airport perimeter fence
Labor/ Time	Response, investigation

Frequency	~30 runway excursions due to wet or icy runways every year globally (primary cause of major damage to airliners)

Passengers landing at LaGuardia airport in New York amidst a heavy snowfall were stunned (and 23 suffered minor injuries) when their plane overran the runway and approached Flushing Bay. The NTSB is investigating the accident, looking into runway conditions, landing procedures, and the condition of the plane to determine what went wrong, and what can be done to improve landing safety.

"Runway overruns are the accident that never goes away. There has been a huge emphasis on runway safety and different improvements, but landing too long and too fast can result in an overrun."
- Steven Wallace, former director of the FAA's accident investigations office (2000-2008)

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?

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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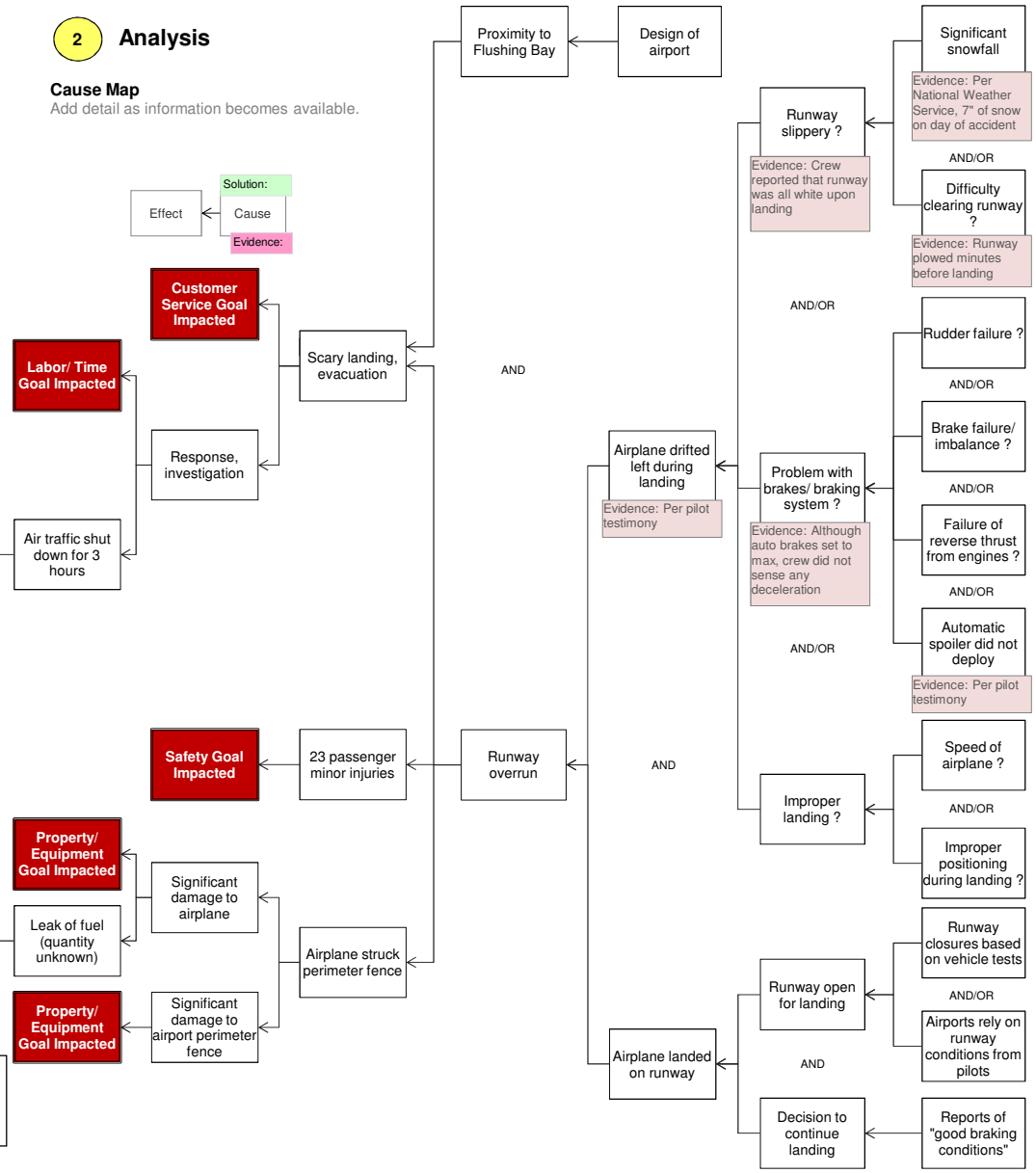
2 Analysis

Cause Map

Add detail as information becomes available.