Step 1. Outline

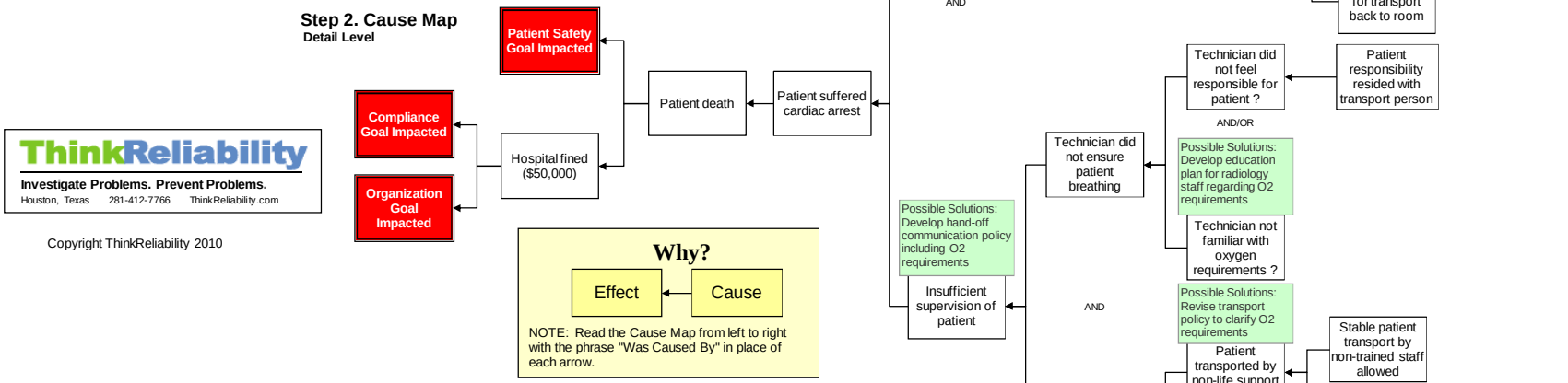
What	Problem(s)	Patient death, loss of oxygen
When	Date	March 5, 2009
	Time	10:15 a.m.
	Different, unusual, unique	Oxygen tank emptied
Where	State, city	Orange, CA
	Facility, site	St. Joseph Hospital
	Unit, area, equipment	Ultrasound Department
	Task being performed	Awaiting transport after scan

Impact to the Goals

Patient Safety	Patient death	
Employee Impact	?	
Compliance	Hospital fined	$50,000
Organization		
Patient Services	Oxygen tank ran out of oxygen	
Environmental	?	
Property, Equip, Mtls	?	
Labor, Time	?	
	This incident	$50,000
Frequency	Second fine for this hospital	
	Annualized Cost	$50,000

Step 2. Cause Map

Detail Level



Why?

Effect ← Cause

NOTE: Read the Cause Map from left to right with the phrase "Was Caused By" in place of each arrow.

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Step 3. Solutions

Action Items to be Implemented

No.	Action Item	Cause	Owner	Completed
1	Revise transport policy to clarify O2 requirements	Patient transported by non-life support trained staff	St. Joseph's	5/1/2009
2	Develop education plan for radiology staff regarding O2 requirements	Technician not familiar with oxygen requirements	St. Joseph's	5/1/2009
3	Develop hand-off communication policy including O2 requirements	Insufficient supervision of patient	St. Joseph's	5/1/2009