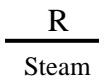





## RUPTURE – STEAM

**SIZE IT UP**  
Casualty initial reports, assessment, evaluation and information.  
What do I have

ORDERED	EXECUTED	 R Steam	 STM
		Reported = (Size It Up) <i>Report Casualty Steps</i>	
			1. Report Rupture.
			2. Rapid response on scene.
			3. Establish communications, take initial actions, isolate if possible, report.
			4. Space name, number and space access, if rupture is accessible.
			5. System (vital or non-vital).
			6. Location within the space (chit) and system if known.
			7. Size, cause and type of damage (crack, hole, split, broken, break, leak, demolished).
			8. Immediate material resources available (fixed systems, installed drainage, eductors, deck drains, passive ship's features), activate as required.
			9. Immediate personnel resources available (flying squad, repair parties, duty section, off ship services), request as required.
			10. Secure power if required.
			11. Determine additional hazards (flooding, shock, fumes).
			12. Establish casualty boundaries; set the box around casualty.
			13. Determine personnel casualties and evacuate the area.
			14. Report and size up casualty area.
			15. Move to <i>Engage Casualty Phase</i> .



## CASUALTY CHECK-LIST

**FIGHT IT**  
Casualty engagement  
What am I doing to make progress

ORDERED	EXECUTED	 R Steam	 STM
		Engaged = (Fight It) <i>Engage Casualty Steps</i>	
			1. Engage Rupture.
			2. Determine type of repair (isolation, chain wrench, banding, jubilee, EWARP, soft patch, jumper).
			3. Team brief of assessment, tactic, access method, route, PPE, risk; establish and check communications.
			4. Equipment selected, laid out and checked.
			5. Stop further damage, isolate system if possible and protect electrical equipment.
			6. Relief's standing by as required.
			7. Team execution, communication check (Caution: obtain permission prior to discharging contaminated liquids into the sea).
			8. Access space and apply engagement method.
			9. Evaluate engagement method, continue or adjust, assess risk.
			10. Rotate team members as required, monitor for heat stress, hypothermia and exhaustion.
			11. Report when engagement method takes effect, re-evaluate situation and continue to engage rupture as required.
			12. Move to <i>No Casualty Phase</i> .

## RS-111306

**MONITOR IT**  
The fight is complete,  
No further spread, Clean it up

ORDERED	EXECUTED	 <del>R</del> Steam	 <del>STM</del>
		No = (Monitor It) <i>No Casualty Steps</i>	
			1. No Rupture (Leak repaired, isolated or bypassed).
			2. Test effectiveness of repairs.
			3. Conduct de-watering (if required).
			4. Conduct visual of damaged area, hidden and secondary damage.
			5. Clear space of hazards, flammable liquids, toxic liquids.
			6. Conduct damage assessment, photos, report.
			7. Debrief team.