



IUMI Conference

Richard Leslie

Permanent Secretary

International Association of Classification Societies





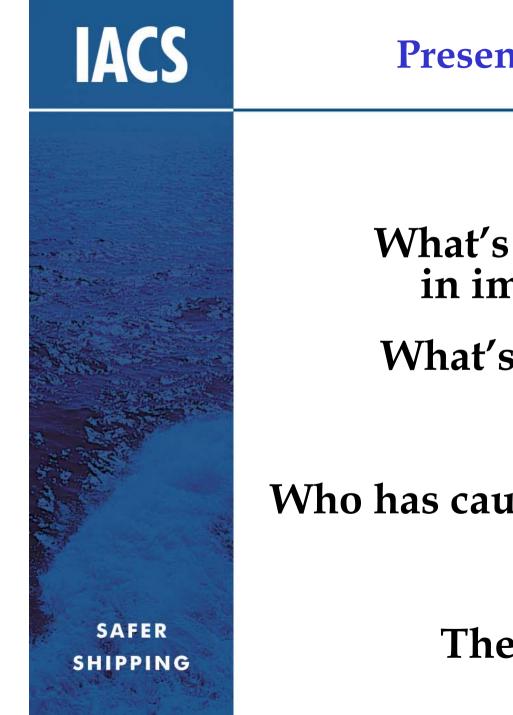
A Record of Continuous Improvement





Does the quality of the ship matter to cargo underwriters





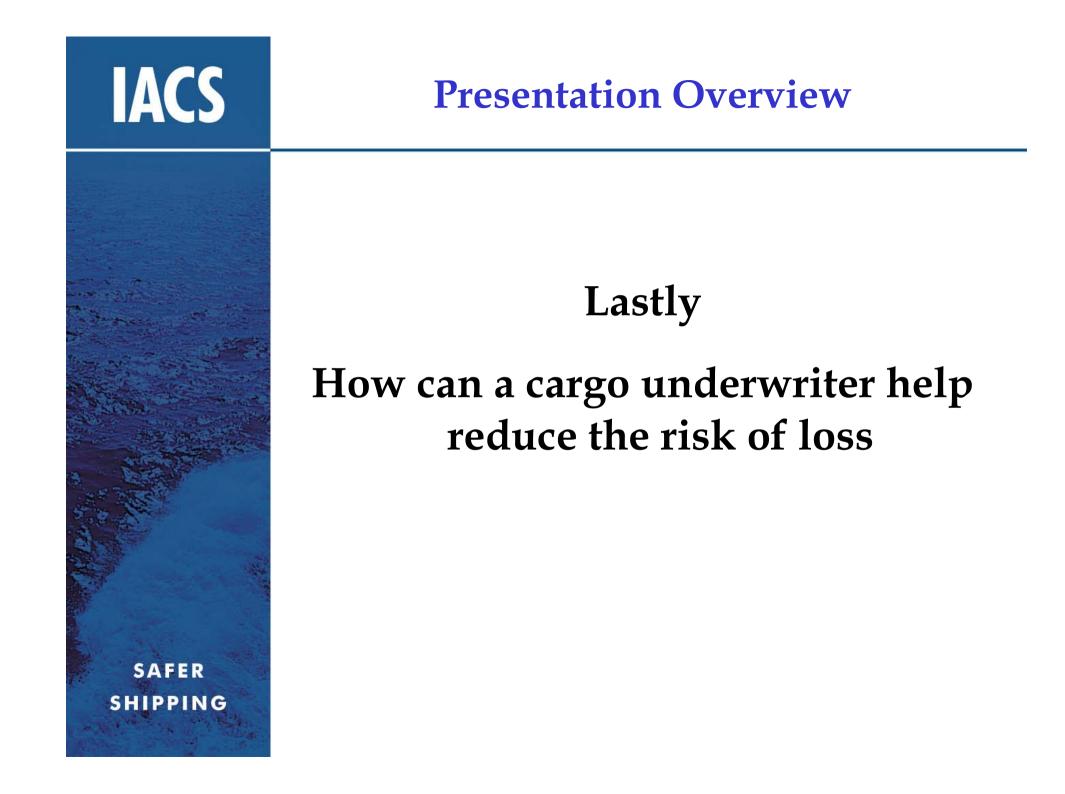
Presentation Overview

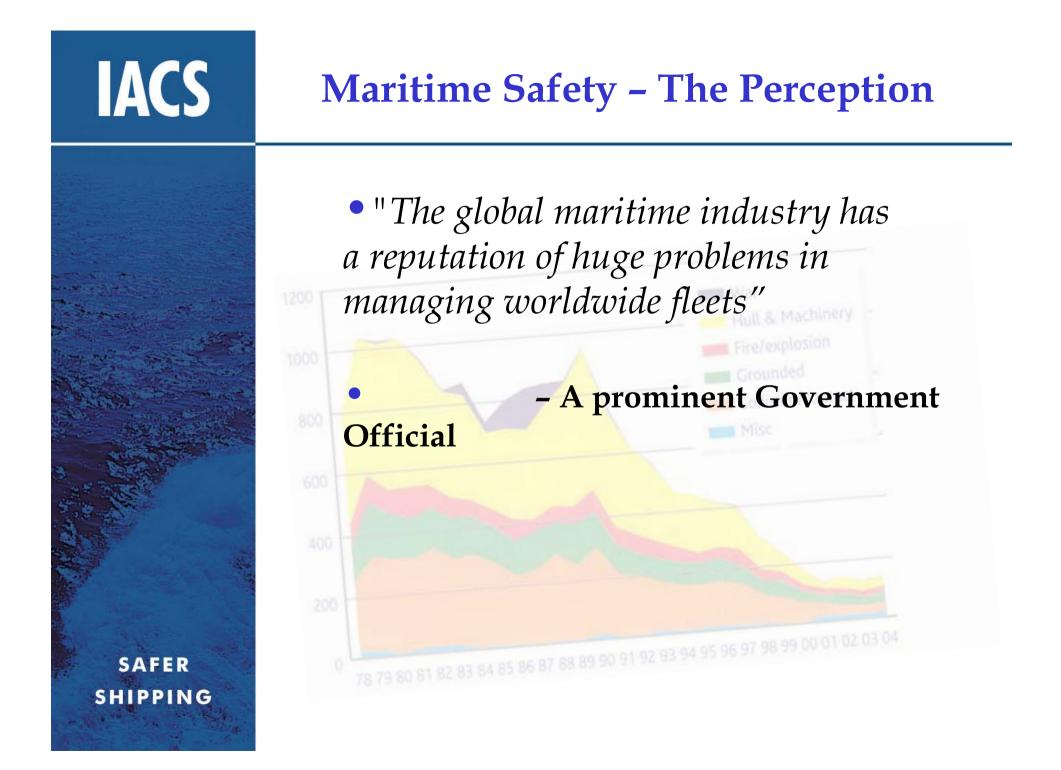
What's been happening in improving quality

What's the track record

AND

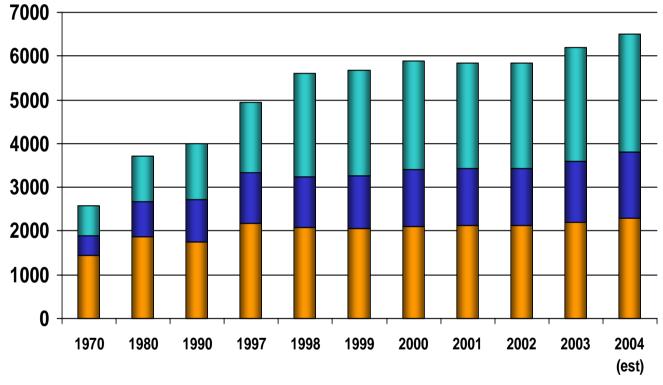
Who has caused this improvement AND The role of IACS





International Seaborne Trade

in million tons of cargo



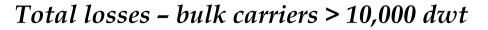
Crude oil and products Five major bulks Other dry

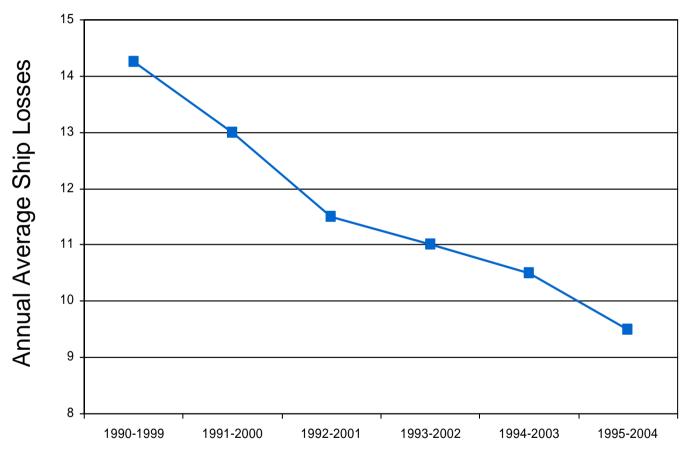
Source: UN, Review of Maritime Transport Major bulks: Iron ore, grain, coal, bauxite/alumina and phosphate

An Impressive Safety Performance

•The international shipping industry is carrying more cargo, more safely than at any time in history

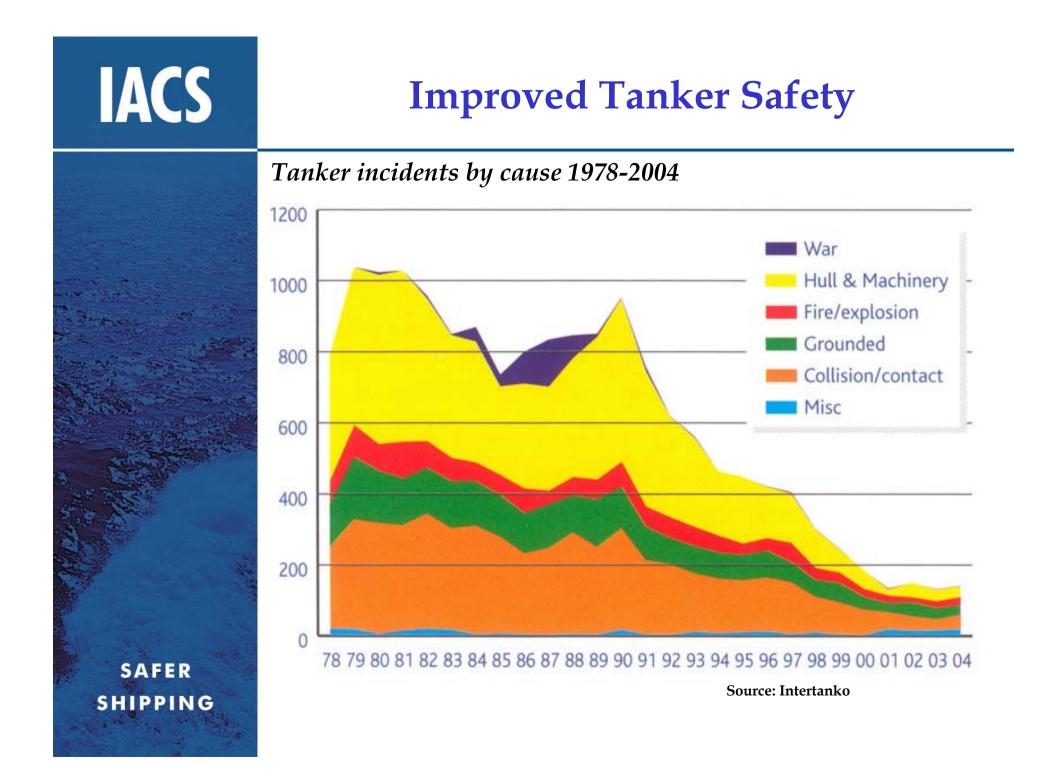
Improved Bulk Carrier Safety

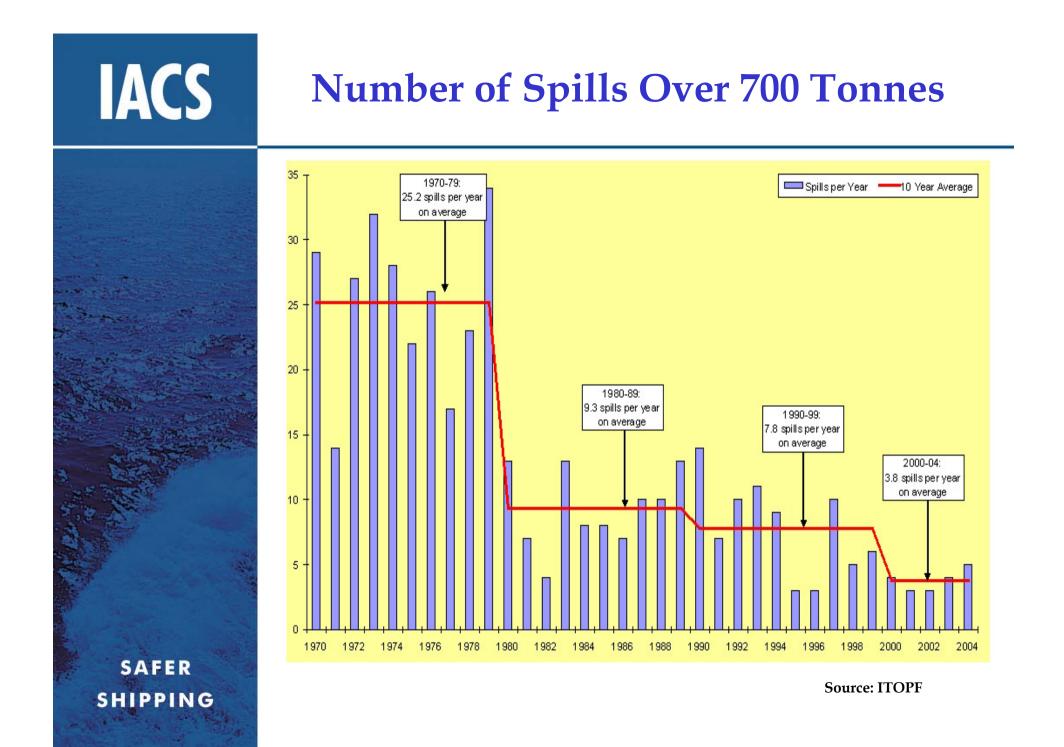


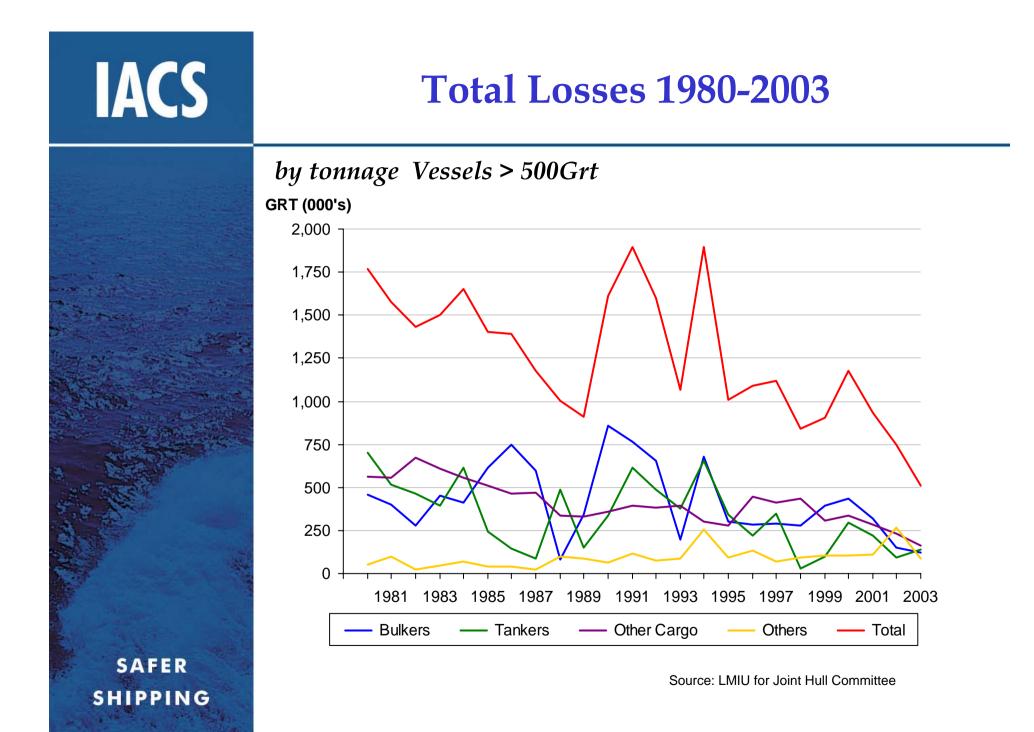


SAFER Shipping

Source: Intercargo



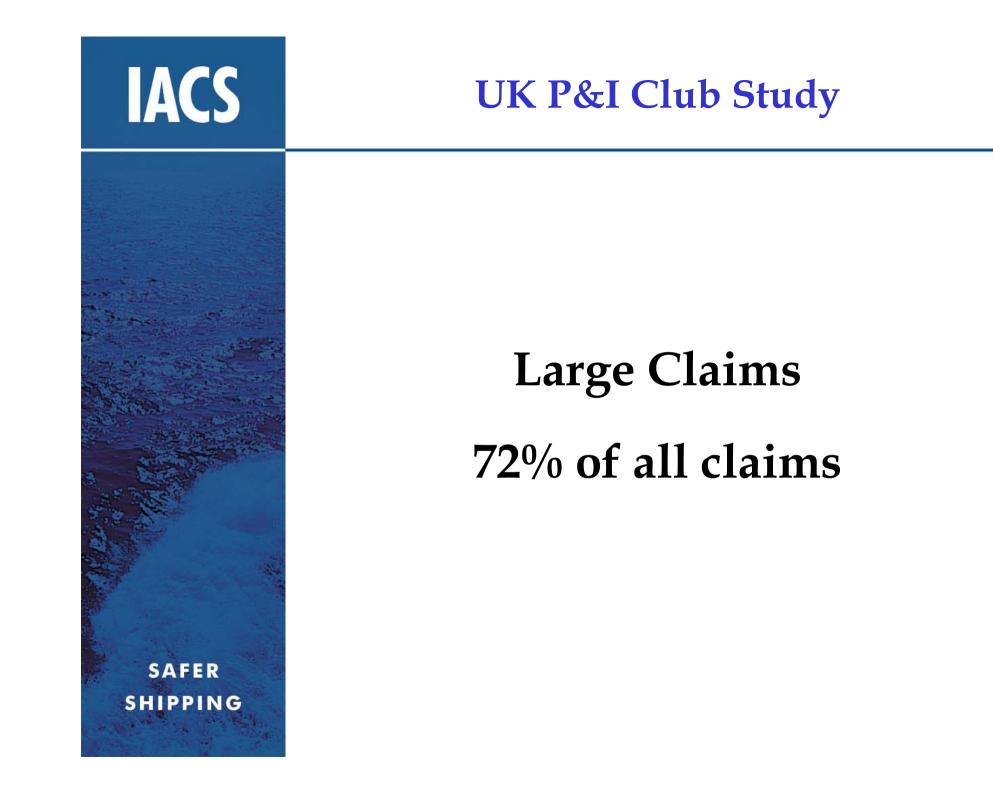


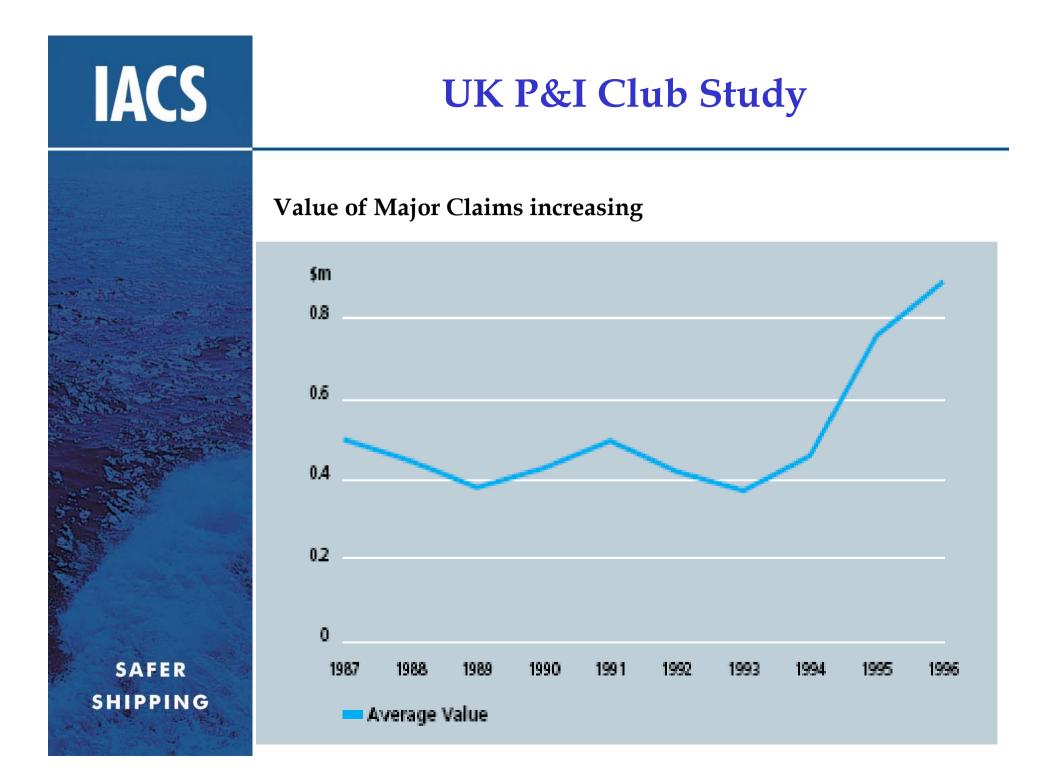




Catastrophic events versus Partial cargo losses

UK P&I Club Study





SAFER SHIPPING

Equipment

"Dramatic reduction on ship failure claims is one of the success stories of recent years"

54% result in a cargo claim

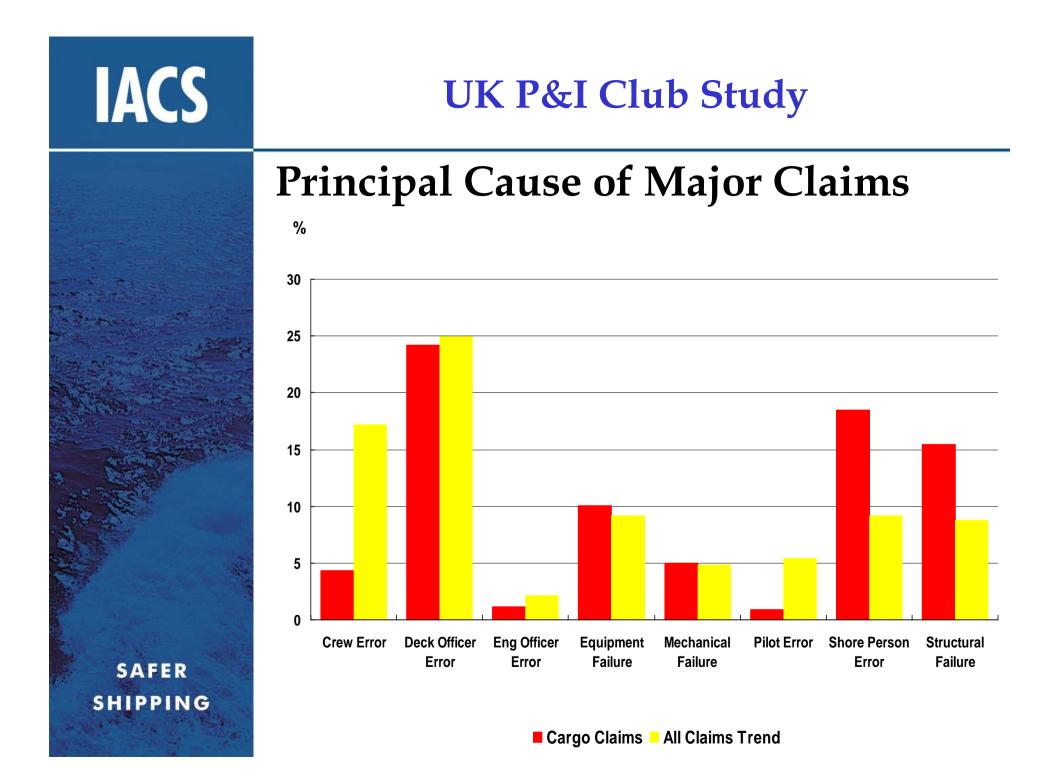
Ship Failure

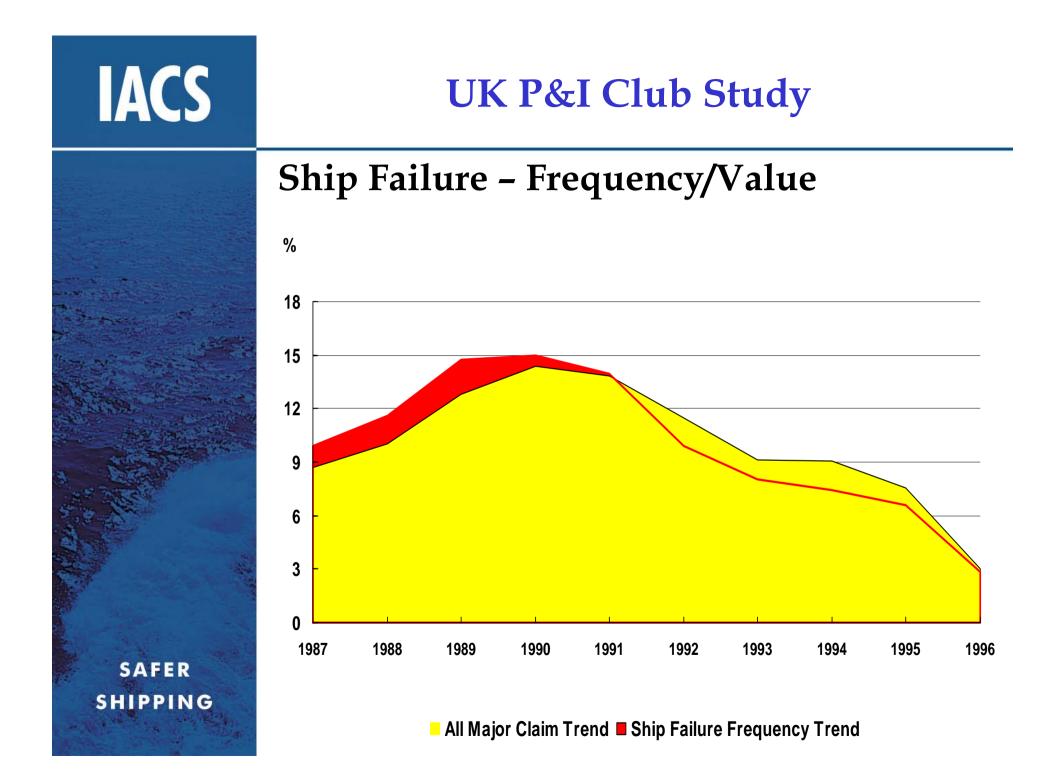
Structural

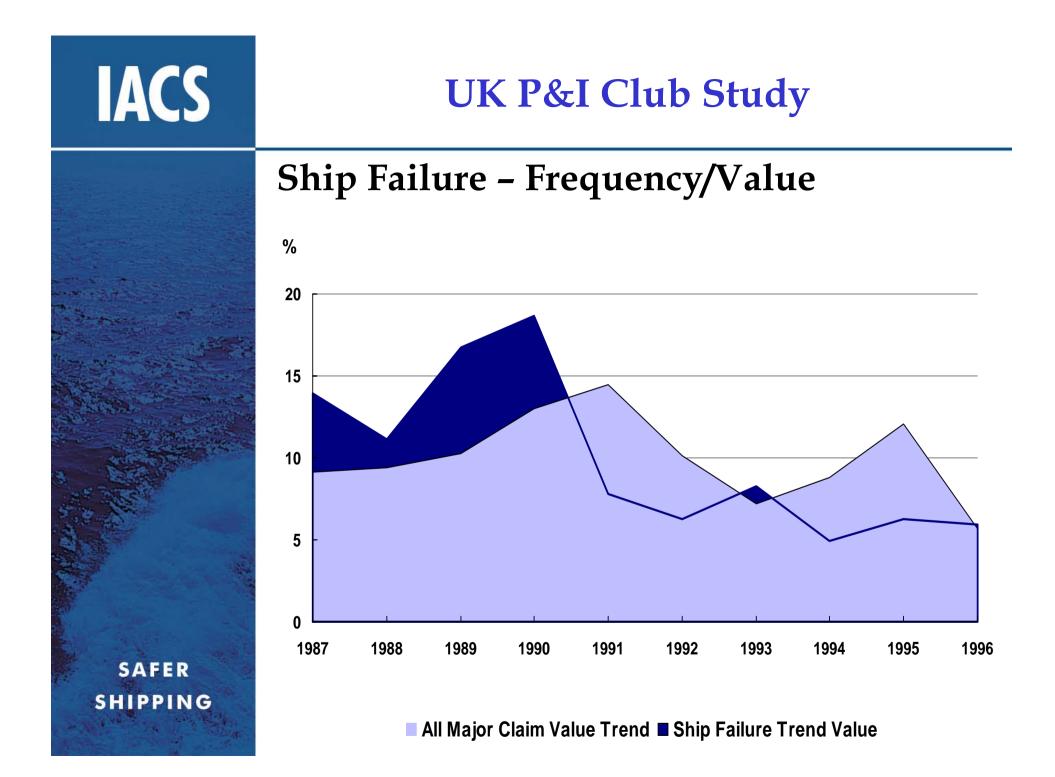
Mechanical

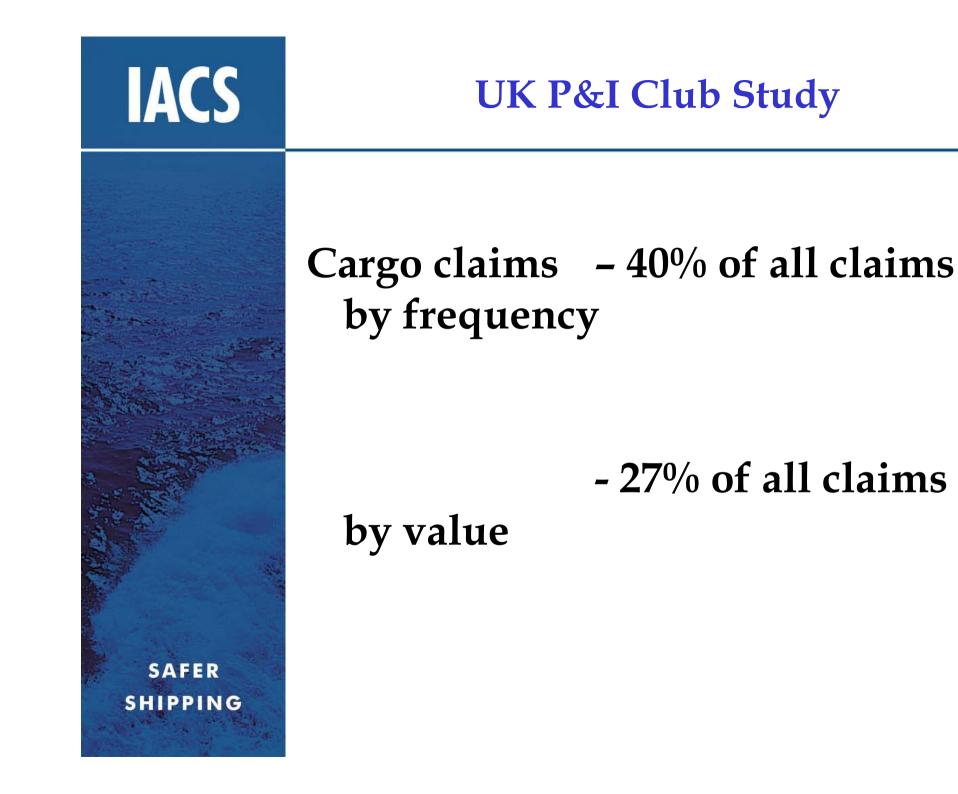


UK P&I Club Study









UK P&I Club Study

SAFER Shipping Physical damage and wet damage pre-eminent causes of loss

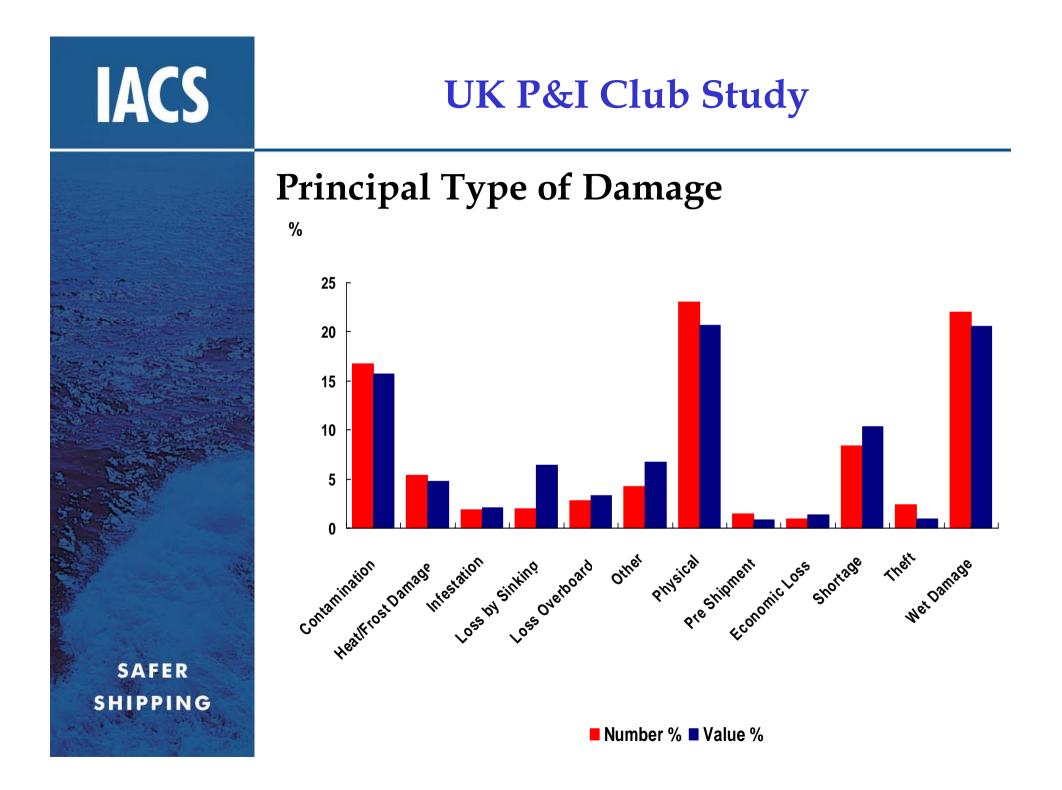
Hatch cover leakage is still responsible for most - 35% of wet damage

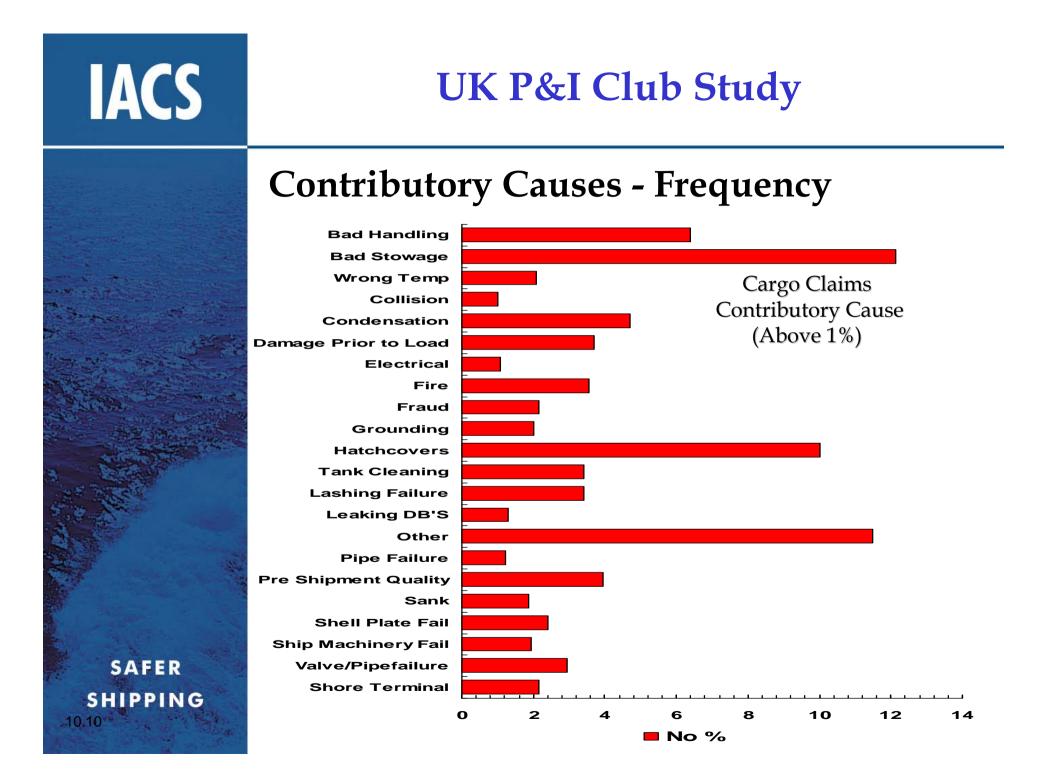
- 50% of those claims involve steel and dry bulk

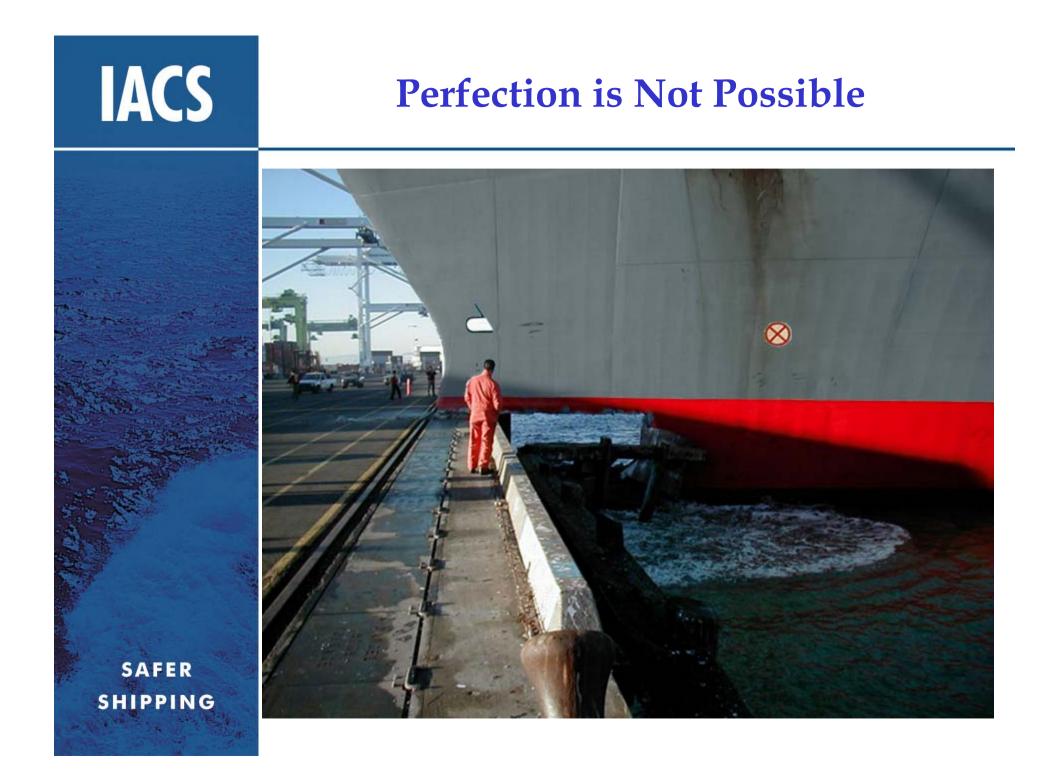
UK P&I Club Study

"Hatch cover claims start early in the ships life – hatch covers must be maintained continuously from an early age"

SHIPOWNERS & SURVEYS

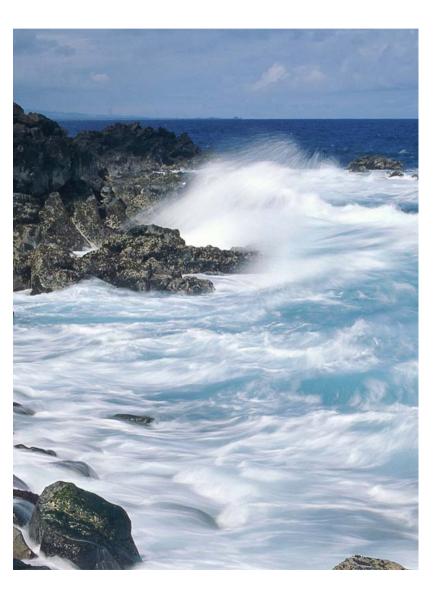






Working Together

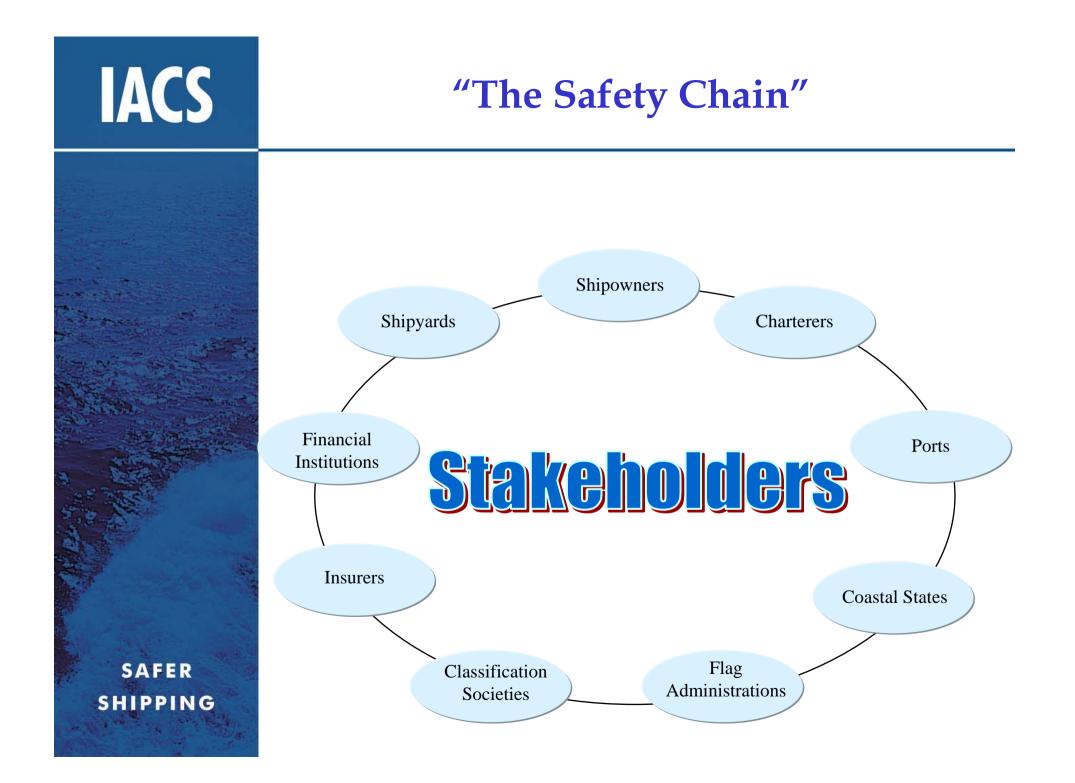
A responsibility to improve standards for the safety of life, property and the marine environment.



The Maritime Safety Regime

- Shipowner
- Ship Manager
- Flag State
- Port State
- IMO
- Class
- Underwriter
- Charterer



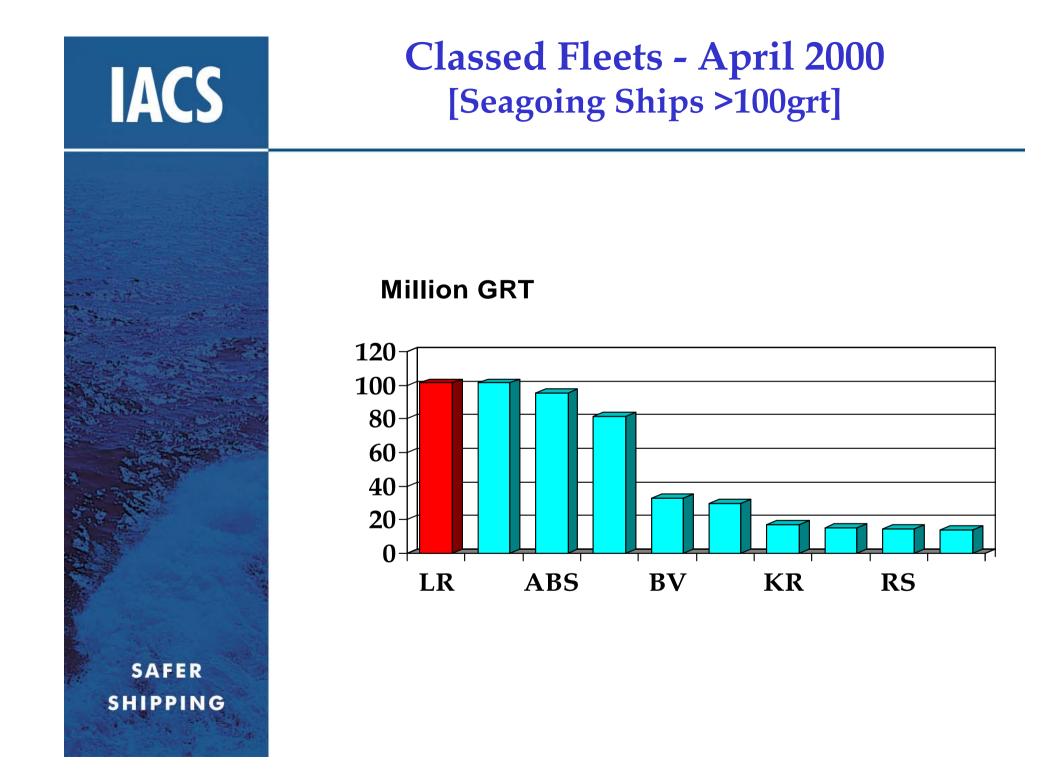








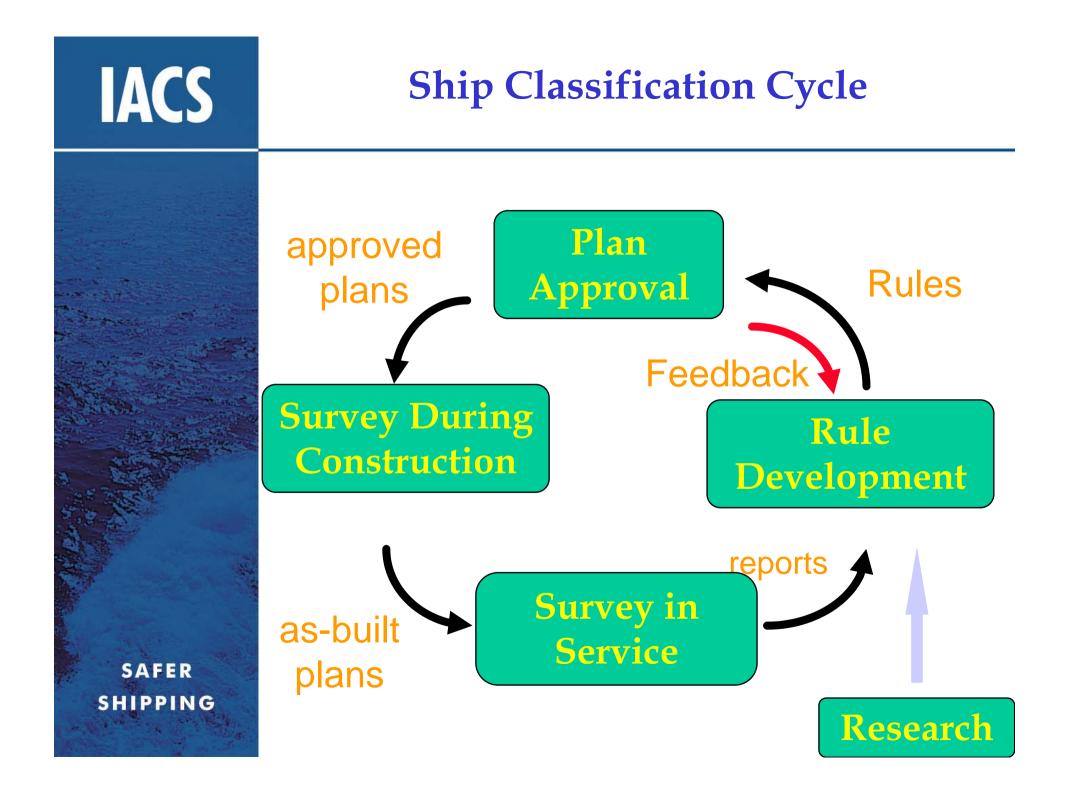
- Rules cover 90% of the worlds fleet by tonnage
- Formed 1968 10 Members & 1 Associate
- ABS, BV, CCS, DNV, GL, KR, LR, NK, RINA, RS + IRS
- 46,000 Ships in IACS Member Class
- 6,000 Surveyors working from 1,000 Offices
- 600,000 Ship Surveys Annually
- However on 40% of worlds fleet by number of ships

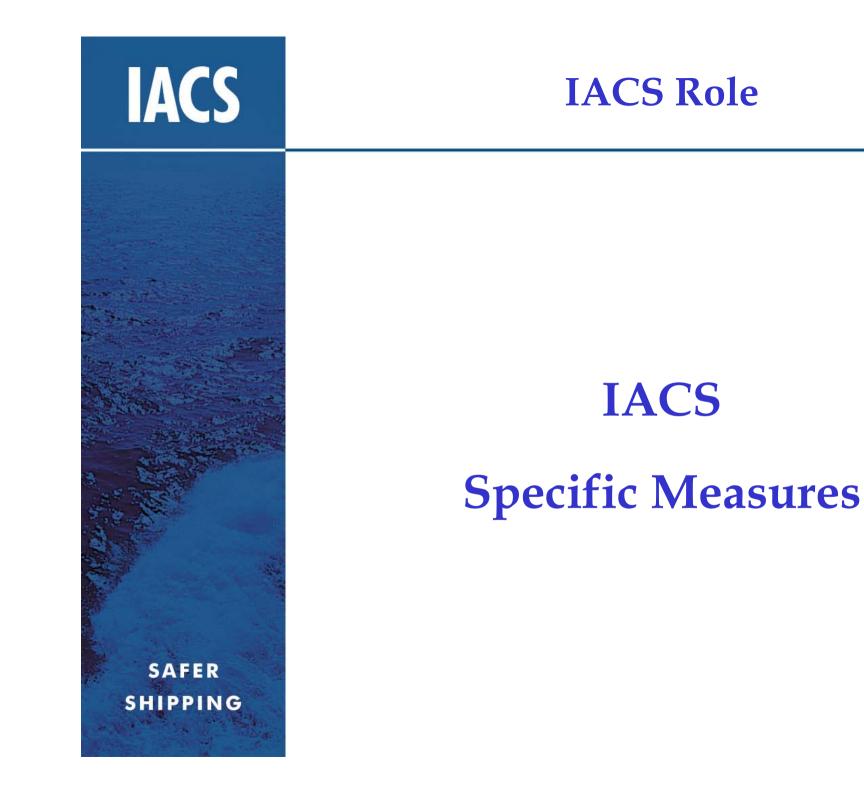






- Web site (UR's and PR's)
- professional know-how / technology bank
- Research & Development projects
 approx. \$50m annually

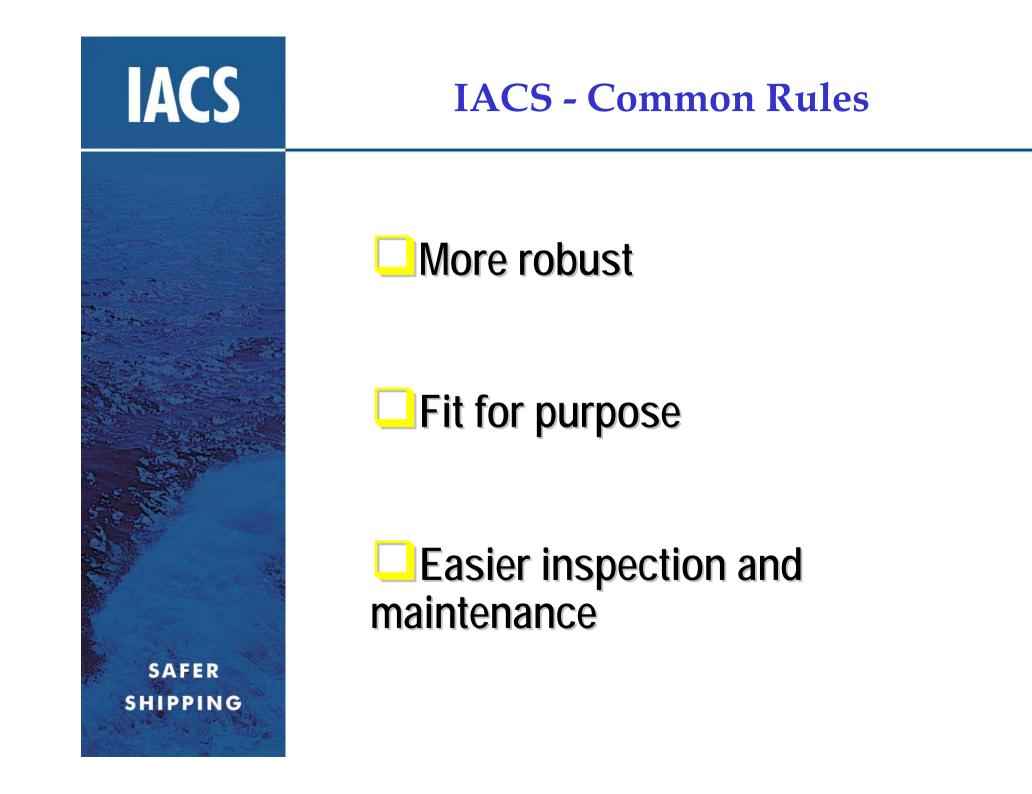






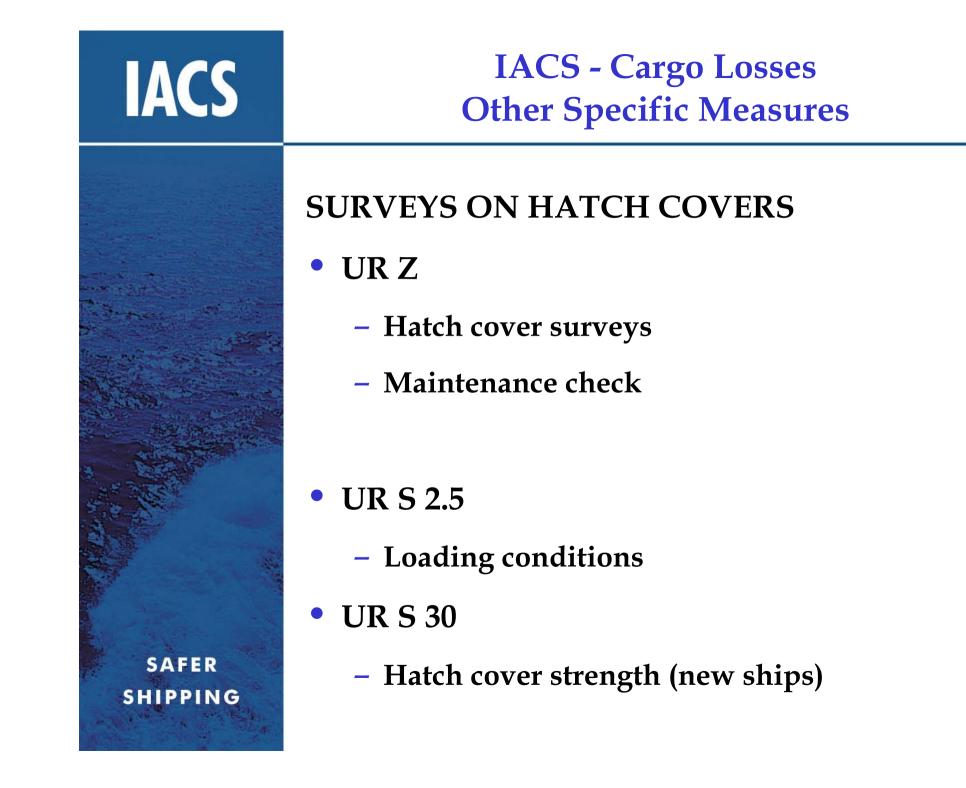


COMMON STRUCTURAL RULES

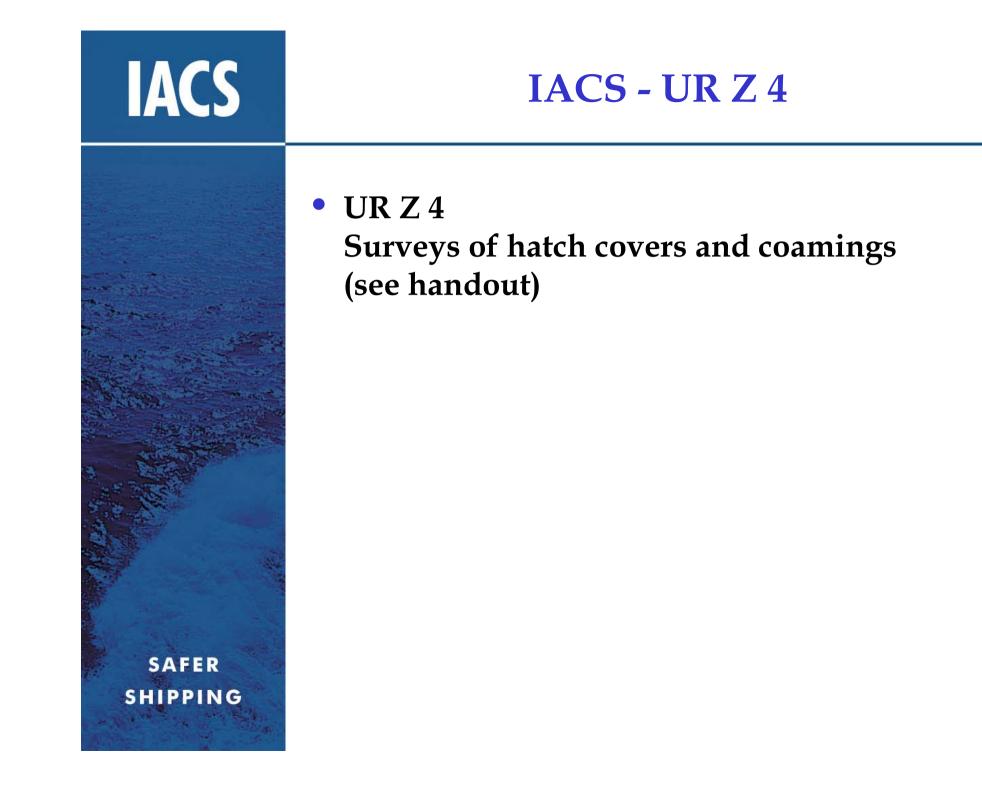


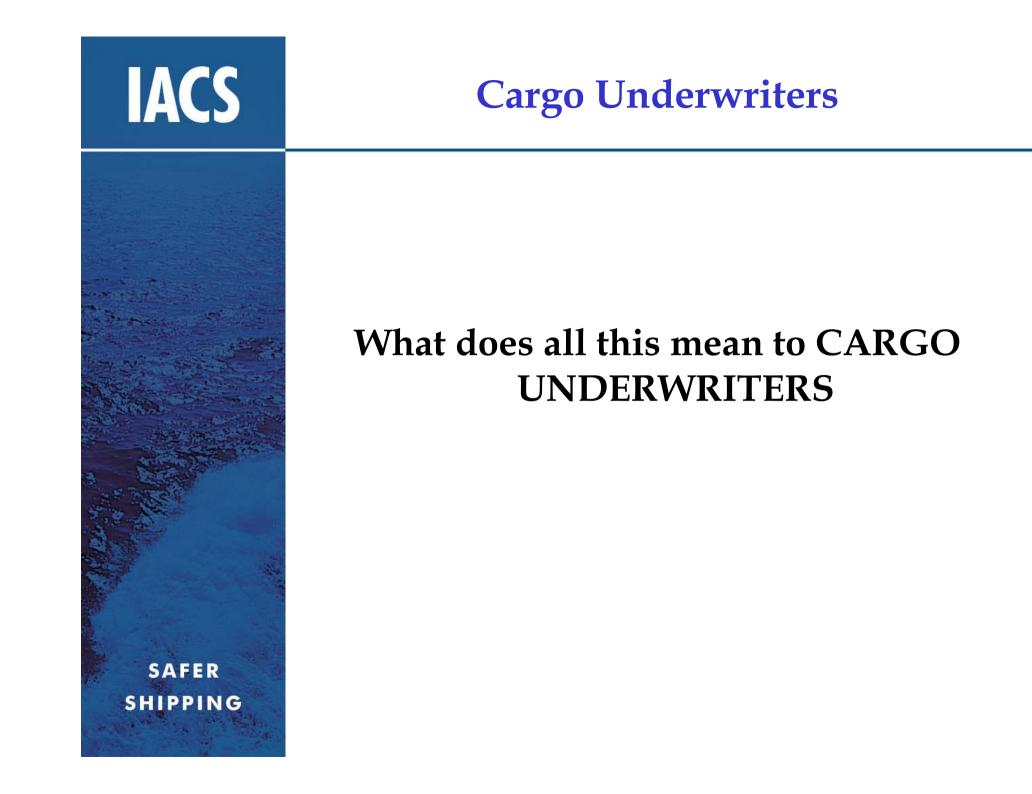
IACS - Principal New Elements

- Net scantling approach
- Buckling and ultimate limit state of the hull girder
- Dynamic loading
- Fatigue life
- Transparency and ease of use

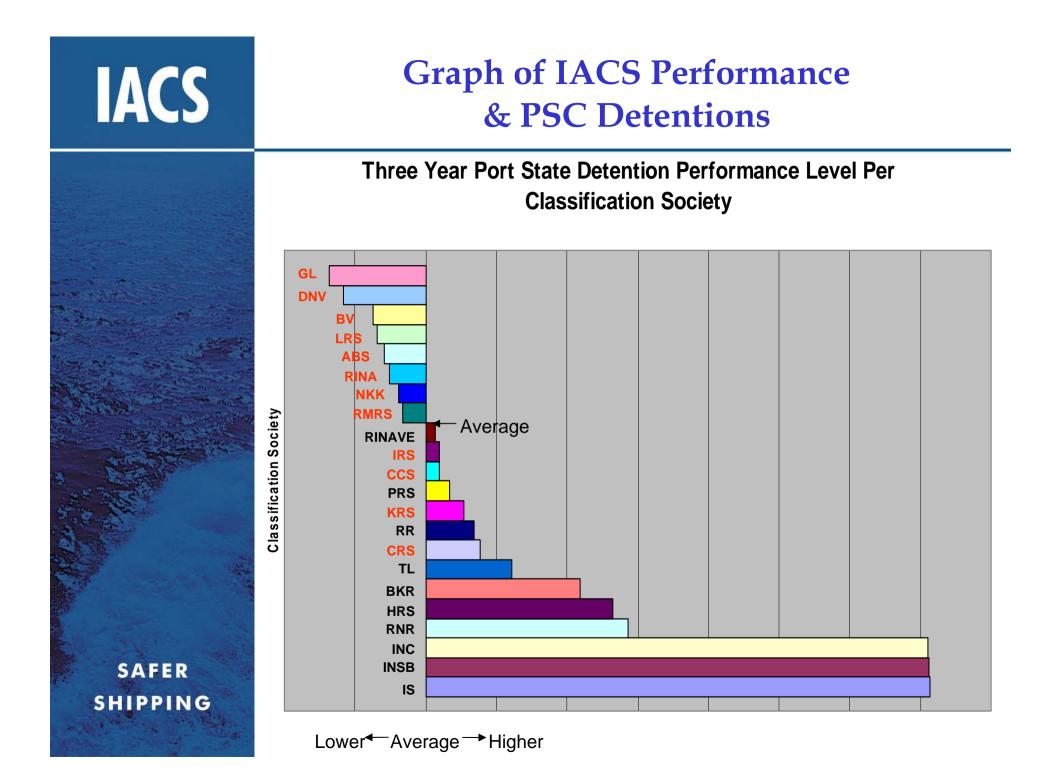


IACS		IACS - Cargo Losses Hatch Covers and Coamings			
		Title	Current Document in	Within	
			Force	Special Survey Section + Annual Survey Hatch Covers and Coamings	
	Z4	Surveys of Hatch Covers and Coamings	Rev.2 1996		
	Z 7	Hull Classification Surveys	Rev.12 Jan 2006	(Rev.11 June 2005) Special Survey Hatch covers and coamings, Paragraph 2.2.10 Annual Survey Scope 3.2	
	Z7.1	Hull Surveys for General Dry Cargo Ships	Rev.3 Jan 2006	(Rev.2 June 2005) Special Survey Hatch covers and coamings, Paragraph 2.2.4 Annual Survey Scope 3.2	
	Z10.1	Hull Surveys of Oil Tankers	Rev.13 Jan 2006		
	Z10.2	Hull Surveys of Bulk Carriers	Rev.22 June 2006	(Rev.17 June 2005) Special Survey Hatch covers and coamings, Paragraph 2.2.4 Annual Survey Scope 3.2	
	Z10.3	Hull Surveys of Chemical Tankers	Rev.8 Jan 2006		
La start and	Z10.4	Hull Surveys of Double Hull Oil Tankers	Rev.4 June 2006		
SAFER Shipping	Z10.5	Hull Surveys of Double Side Skin Bulk Carriers	Rev.4 June 2006	(Rev.1 June 2005) Special Survey Hatch covers and coamings, Paragraph 2.2.4 Annual Survey Scope 3.2	





- IACS Equals Good flags
- IACS + Good flag = Less risky ships
- 55 other Class Societies
- 40% of worlds fleet by number classed outside IACS



In Summary

- The Ship quality matters
- Check IACS
- Check Flag
- Check PSC record EQUASIS



- Good Operator = Good Ship
- Bad Operator = Bad Ship

SHIPOWNER MATTERS