



DEVELOPMENT OF OSPR'S RISK BASED DATABASE

Michael P. Coyne
October 23, 2012

**ASSESSING RISK OF VESSELS
ARRIVING IN CALIFORNIA**

- 
- Vessel arrivals in CA pose a risk to marine resources
 - To be cognizant of low performing vessels and operating companies
 - Reduce pollution causing incidents

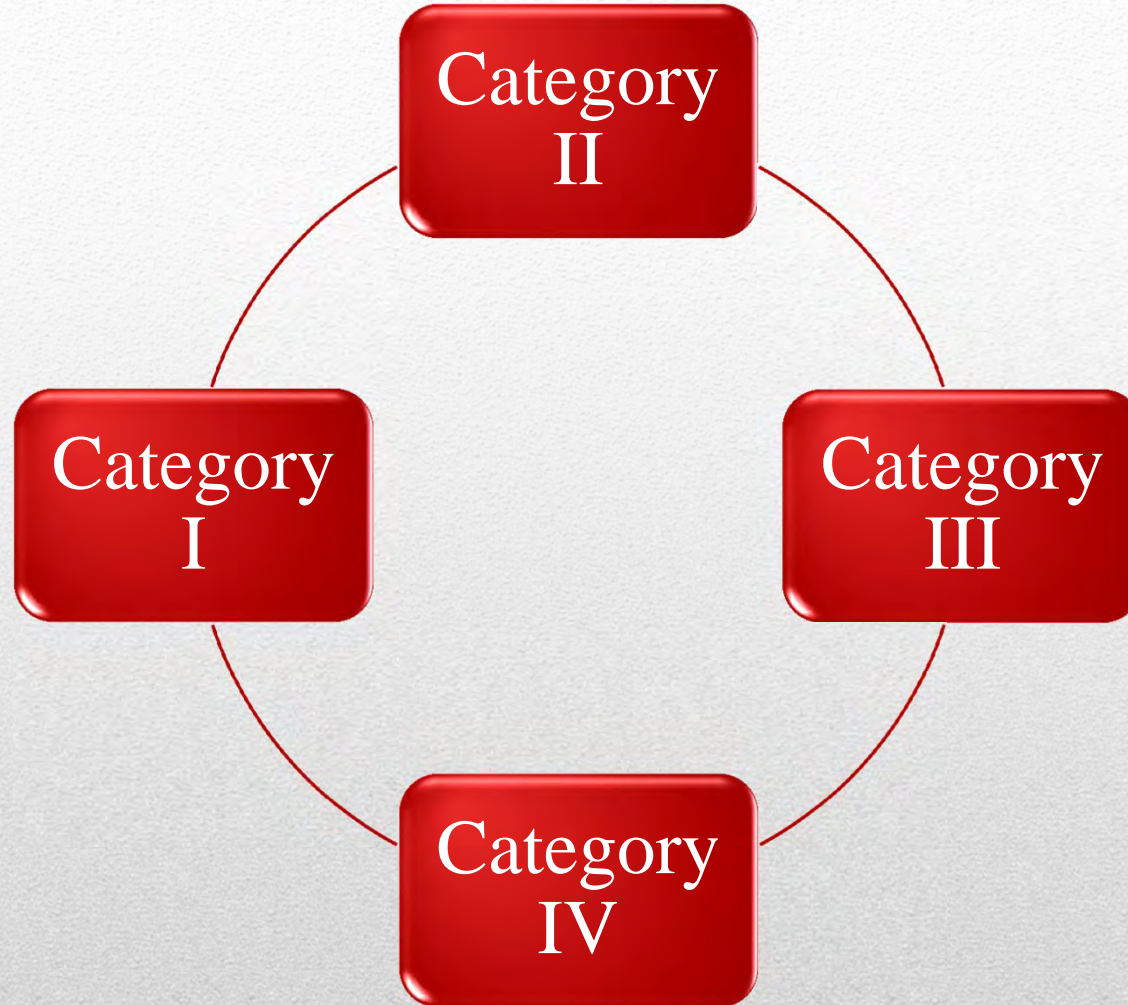
THE NEED

- 
- Quantify the risk imposed by each vessel and operating company
 - Develop a database to systematically accomplish objective
 - Focus OSPR's resources on low performers

OBJECTIVE

- Break the Error Chain of events that cause pollution incidents
- Target low performing vessels and operators
 - Increase outreach efforts
 - Compliance inspections
 - Oil transfer monitorings
 - Increased scrutiny
 - Visual presence

GOAL



RISK ASSESSMENTS



Paris MoU

Port State Control
Annual Report



Port State Control
Annual Report



Public Web-site Promoting
Quality Shipping

RESOURCES

Contingency Plan Criteria	Assigned Risk Value
No OSRO:	15
No CA COFR:	15
No Salvor:	15
C-Plan not on file or Withdrawn:	15
Category 1 Total	60

- Compliance with OSPR regs
- Each factor rated either 0 or 15 pts

IF ANY CATEGORY IS
15 OR GREATER
THEN NOTIFY
BRANCH CHIEF

CATEGORY I

Master Ranking List	Assigned Risk Value
Flag (Country of Registry):	3
Number of Name Changes:	0
Vessel Type:	5
Hull Type:	3
Classification Society:	0
Vessel Age:	5
Category 2 Total: 16	

- Vessel Specifics
- Each factor rated 0 to 5 points

IF ANY CATEGORY IS
15 OR GREATER
THEN NOTIFY
BRANCH CHIEF

CATEGORY II

FLAG STATES

Flag

Excess
Factor

BLACK LIST

Sierra Leone	4.42
Papua New Guinea	4.34
Georgia	4.06
Korea, Democratic Peop	3.95
Cambodia	3.93
Mongolia	2.99
Saint Kitts and Nevis	2.40
Kiribati	2.01
Indonesia	2.00
Thailand	1.65
Bangladesh	1.59
Viet Nam	1.56
Tonga	1.55

GRAY LIST

Turkey	0.95
Curacao	0.84
Dominica	0.83
Belize	0.83
Tuvalu	0.78
Barbados	0.74
Egypt	0.51
Gibraltar (UK)	0.45
Luxemburg	0.39
India	0.39
Myanmar	0.35
Belgium	0.29
Kuwait	0.24
Saudi Arabia	0.18
Switzerland	0.13
Croatia	0.05

Table 9: INSPECTIONS AND DETENTIONS PER SHIP TYPE

Type of ship	Number of inspections	Number of detentions	Average detention percentage %
Type of ship		Total	Average detention percentage %
NLS tanker			2.33
Combination carrier			3.54
Oil tanker			2.35
Gas carrier			3.66
Chemical tanker			3.08
Bulk carrier			5.37
Vehicle carrier			2.15
Container ship			2.68
Ro-Ro cargo ship			4.11
General cargo/multi-purpose ship			9.08
Refrigerated cargo carrier			8.32
Woodchip carrier			3.60
Livestock carrier			6.33
Ro-Ro Passenger ship			5.16
Passenger ship			1.68
Factory ship			0
Heavy load carrier			3.86
Offshore service vessel			3.59
MODU & FPSO			5.00
High speed passenger craft			0
Special purpose ship			0
High speed cargo craft			0
Tugboat			6.91
Others			5.82

**VESSEL
TYPES**

Recognized organization (RO)	Excess factor	Performance level
Union Bureau of Shipping	1.56	Low
Korea Classification Society (former Joson Classification Society)	0.88	Medium
Universal Maritime Bureau	0.71	
International Register of Shipping	0.70	
Maritime Technical Systems and Services	0.56	
International Ship Classification	0.52	
Croatian Register of Shipping	0.47	
Biro Klasifikasi Indonesia	0.45	
Panama Bureau of Shipping	0.35	
Global Marine Bureau	0.31	
International Naval Surveys Bureau	0.29	
Overseas Marine Certification Services	0.24	
INCLAMAR (Inspection y Classification Maritime, S. de. R.L.)	0.16	
Isthmus Bureau of Shipping	0.12	
Panama Maritime Documentation Services	0.01	
Panama Register Corporation	-0.23	High
Universal Shipping Bureau	-0.35	
Indian Register of Shipping	-0.39	
Panama Shipping Registrar Inc.	-0.56	
Intermaritime Certification Services, S.A.	-0.89	
China Corporation Register of Shipping	-1.28	
Panama Maritime Register	-1.41	
Panama Maritime Register	-1.41	

RECOGNIZED ORGANIZATION

NAME CHANGES

- **0 Risk Points** = 2 or fewer name changes
- **2 Risk Points** = 3 name changes
- **5 Risk Points** = 4 or more name changes

HULL TYPE

- **0 Risk Points** = Double Hull
- **3 Risk Points** = Single Hull



CATEGORY I

(continued)

- **0 Risk Points**
≤ 10 years old
- **1 Risk Points**
10-14 years old
- **3 Risk Points**
15-20 years old
- **4 Risk Points**
21-24 years old
- **5 Risk Points**
≥ 25 years old

Vessel's Age

CATEGORY I (continued)



Incident Type	Action Date	Port	Description	Pts	Boarding Type	OSP5
Vessel Corrective Actions (variable number)	12/15/10	SAC	Corrective Action per B. Scott's 12/2010 boarding.	-12	Other	Coyne
Boarding	12/14/10	LBH	(Per B. Scott 12/14/2010) I boarded the [REDACTED] yesterday to question the Master on the 3 LOP issues from the original mail I received. Upon speaking to the captain, He stated the incident occurred while switching from HFO to MGO. He said that the fuel would not flash due to the	0	RiskMgmtBd	Scott
Loss of Propulsion	03/31/09	LBH	3/31/2009 Sec LA - reports vsl has an LOP. No other info provided.	8	Other	Coyne
Loss of Propulsion	02/05/09	LAX	2/5/2009 - Sec LA reports vsl has an LOP. No other info provided.	8	Other	Coyne
Boarding	01/27/09	MRZ	Conducted Complianace Inspection of vsl to include, CA COFR, Contingency Plan, OSRO and Salvor Certs. All found in good order.	0	Complnspec	McCaleb

Display Records: ☒ All ☐ Boardings Only ☐ No Boardings

12 Total Points

CATEGORY III

**IF ANY CATEGORY IS
15 OR GREATER
THEN NOTIFY
BRANCH CHIEF**

CPLAN NO: 08-05-343

CURRENT RECORD DISPLAYED

CPI Variables	Values
Detentions:	4
State Port Inspections:	35
CPI INDEX	11.429%

CATEGORY IV

Company Performance Index

- Ratio, detentions divided by PSC inspections
 - Past three years
- Average CPI 3.61%
- Determined annually by Paris MOU
- Low Performer $\geq 5.61\%$
 - Targeted for Bunker Monitoring



- Home
- Contact us
- Statistics
- Help
- FAQ

Welcome Mr Michael Coyne

- LOGOUT
- UPDATE YOUR PROFILE

You can :

- REPORT AN ERROR
- GIVE YOUR OPINION



About Equasis



My Equasis



Ship search



Company search

Company info

Fleet info

Data queried

Company info



access protected by password



IMO number :

Name :

Address :

2nd Floor, 237, Fuxing S Road, Section 2, Da-an District, Taipei City, 10663, China, Republic of (Taiwan)

Last update :

19-06-2012

Add this company to my favorites list

Following information is available:

>Key indicators

>Documents of compliance

SYNTHESIS OF INSPECTIONS

Company's role	Nb ships in company	In last 3 years for this company	
		Nb inspections	Nb detentions
ISM Manager	62	135	8

Vessel Search

[View Risk Details](#)
CALCULATE RISK ASSESSMENT
[Edit/View Vessel](#)
[Edit/View Plan](#)

Search Vessel By

☒ Name ☐ IMO

Enter a full or partial name

 Risk Cat 1: Cat 2: Cat 3: Cat 4:

 No. of Assessments/
Date Completed


Incident Type	Action Date	Port	Description	Pts	Boarding Type	OSP's
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Display Records:

☒ All ☐ Boardings Only ☐ No Boardings

[Add Incident](#)
[Delete Boarding Item](#)
 Total Points

 Record:

- 
- Captain Gary Toledo
 - Mr. Reuben Macaspac
 - Ms. Nora Maxfield
 - Ms. Adeline Brown

ACKNOWLEDGMENTS

DEVELOPMENT OF OSPR'S RISK BASED DATABASE

Michael P. Coyne
October 23, 2012

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