

**Deficiency Per Inspection (DPI) & Detention Rate (DER)** Q1 2023

| 👚 Analytics 🗸 Reports 🗸 Benchmark   |  |   | Difference (Barriel Control of Co |   |
|---|--|---|--|---|
| Customize your view Reporting Period:   | Last 12 Months (Feb 21 - Jan 22) V Fleet Segme   | ent: Capesize (>100k DWT)   | Add more segments, by expanding your lisence   | _ |
| Manager Performance   | Detention Insights   | Country Insights  | Notifications 🖉 Viewall  |   |
| Elect Insights   Inspection Analytics<br>MOU Performance   Manager KPIs<br>Benchmarking Performance | 49 Detentions<br>41 Managers with ships Detained   | Challenging Ports   Detentions<br>Deficiency Profiles   KPI vs Age Variations<br>Top Performers | Port Detentions<br>10/11/2021<br>Piraeus, Greece +5  |   |
| Explore Manager Performance   |  | Explore Country Insights  | Ship Detentions<br>10/11/2021 +1<br>Agios Charajumbos VI   |   |
| Segment Insights  |  | PSC Preparation   | Manager Detentions<br>10/11/2021 +5<br>Nonzme, China   |   |
| Challenging Ports   Detentions<br>Deficiency Profiles   KPLvs Age Variations<br>Top Performers      | Detentions   Analytics<br>Deficiency Profile   KPIs   Trends<br>Ship List   Manager List | Port Cal Risk Assessment (POCRA)<br>Active CIC   PSC Focus Items                                | PSC Library Update     10/11/2021     Flag Updates   |   |
| Explore Segment Insights  | Explore Detention Insights   | Prepare your Ships for next port 👂  | CIC Update   |   |
| _   |  |   | Lisence Expiration<br>10/11/2021 8<br>Usence expires in 30 days  |   |
| =0, [   | Inter Company Name, Port Name, Ship Name, JMO Number                                     | SEARCH  | System Update<br>10/11/2021 +1<br>Version 3.4 out, read more   |   |
| My Ships View All   | My Managers View All   | My Ports  | My Deficiencies View All   |   |
| Ship Name Segment   | Manager Name Segment   | Port Name Country Segment   | Code Deficiency Description  |   |
| Ship Name A Cape  | Manager AA Cape  | Port Hedland Australia Cape   | 07116 Ventilation  |   |
| Ship Name B Pmax Ship Name C Hmax   | Manager AA Pmax  | Taman Russia Cape   | 10101 Pilot ladders and holst/pilot tr<br>18432 Risk evaluation, training and in   |   |
| Ship Name D Suprax  | Manager BB Cape Manager BB Pmax  | Gladstone QLD Australia Cape Dampler WA Australia Cape  | 18432 Risk evaluation, training and in<br>11105 Rescue boat inventory  |   |
| Ship Name E Hsize   | Manager CC Suprax  | Rotterdam Netherlands Cape  | 04102 Emergency fire pump and its pipe   |   |
| Ship Name F Cape  | Manager CC Hmax  | Vancouver Canada Pmax   | 04110 Abandon ship drills  |   |
| Ship Name G Cape  | Manager DD Hsize   | Novorossisk Russia Suprax   | 18299 Other (Conditions of employment)   |   |
| Ship Name H Cape  | Manager DD Cape  | Hay Point QLD Australia Pmax  | 03105 Covers (hatchway-, portable-, ta   |   |
| Ship Name   Hsize   | Manager EE Pmax  | Novorossisk Russia Hmax   | 09235 Fitness for duty (Work/Rest Hours)   |   |
| Viewing 9 of 42 entries Go to My Ships  | Viewing 9 of 14 entries Go to My Managers  | Viewing 9 of 122 entries Go to My Ports   | Viewing 12 of 84 entries Go to My Deficiencies   |   |
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# PSC DPI / DER KPIs for Q1 2023

## **Risk**4sea

### **Deficiency Per Inspection (DPI)**

| Segments                 | Paris MOU |      |       |       |      |      | Т    | okyo MO | U     |      |      |      | USCG  |       |      |      | Global |       |       |      |  |  |
|--------------------------|-----------|------|-------|-------|------|------|------|---------|-------|------|------|------|-------|-------|------|------|--------|-------|-------|------|--|--|
| Age group                | 0-5       | 6-10 | 11-15 | 16-20 | 20+  | 0-5  | 6-10 | 11-15   | 16-20 | 20+  | 0-5  | 6-10 | 11-15 | 16-20 | 20+  | 0-5  | 6-10   | 11-15 | 16-20 | 20+  |  |  |
| Dry Bulk Ships           |           |      |       |       |      |      |      |         |       |      |      |      |       |       |      |      |        |       |       |      |  |  |
| Handysize (<35k DWT)     | -         | 1.50 | 4.42  | 4.47  | 4.48 | 1.58 | 1.31 | 2.16    | 2.37  | 2.86 | -    | -    | 0.38  | -     | -    | 1.26 | 1.02   | 2.19  | 2.49  | 3.53 |  |  |
| Handymax (35-50k DWT)    | 1.48      | 2.38 | 3.00  | 4.25  | 2.65 | 1.13 | 0.77 | 2.68    | 3.00  | 3.25 | -    | 1.33 | 1.67  | -     | -    | 0.94 | 0.92   | 1.91  | 2.30  | 3.02 |  |  |
| Supramax (50-67k DWT)    | 1.29      | 1.88 | 4.35  | 4.95  | 6.38 | 0.98 | 1.18 | 1.68    | 1.60  | 2.35 | -    | 0.22 | 0.40  | 0.20  | -    | 0.71 | 1.03   | 1.65  | 1.89  | 2.84 |  |  |
| Panamax (67-100k DWT)    | 1.49      | 3.46 | 2.93  | 3.03  | 2.78 | 1.15 | 1.47 | 1.53    | 1.83  | 2.22 | -    | -    | 0.71  | 0.67  | -    | 0.91 | 1.64   | 1.59  | 1.68  | 2.47 |  |  |
| Cape (>100k DWT)         | 1.25      | 1.59 | 3.52  | 4.00  | 1.00 | 0.83 | 1.42 | 1.68    | 1.87  | 1.54 | -    | -    | 0.86  | -     | -    | 0.83 | 1.33   | 1.80  | 1.99  | 1.77 |  |  |
| General Cargo            | 1.54      | 2.53 | 2.81  | 3.01  | 4.39 | 1.65 | 1.49 | 1.96    | 2.71  | 2.94 | -    | -    | 0.33  | 0.33  | -    | 1.46 | 1.46   | 2.04  | 2.61  | 3.92 |  |  |
|                          |           |      |       |       |      |      |      |         |       |      |      |      |       |       |      |      |        |       |       |      |  |  |
| Tankers                  |           |      |       |       |      |      |      |         |       |      |      |      |       |       |      |      |        |       |       |      |  |  |
| Small Product (<25k DWT) | 0.92      | 0.75 | 2.19  | 2.73  | 0.92 | 0.60 | 0.90 | 1.42    | 1.53  | 3.03 | -    | 2.00 | -     | -     | -    | 0.59 | 0.80   | 1.61  | 1.92  | 3.17 |  |  |
| MR1/MR2 (25 – 60k DWT)   | 0.64      | 0.91 | 2.11  | 2.40  | 0.64 | 0.45 | 0.47 | 0.97    | 1.53  | 2.23 | 0.38 | -    | 0.86  | 1.00  | -    | 0.41 | 0.61   | 1.21  | 1.63  | 2.66 |  |  |
| LR1/LR2 (60-125k DWT)    | 0.74      | 0.39 | 2.13  | 3.95  | 0.74 | 0.59 | 1.24 | 2.12    | 1.52  | 5.62 | 0.20 | 0.33 | -     | 0.83  | -    | 0.54 | 0.62   | 1.57  | 1.87  | 5.50 |  |  |
| Suezmax (125-200k DWT)   | 0.32      | 0.30 | 3.41  | 3.30  | 0.32 | -    | -    | 1.00    | 2.67  | 2.10 | -    | 0.50 | -     | 1.00  | -    | 0.24 | 0.25   | 2.06  | 2.41  | 3.89 |  |  |
| VLCC (>200k DWT)         | 0.10      | 0.50 | 4.40  | I     | 0.10 | 0.33 | 0.36 | 1.37    | 1.58  | 3.63 | -    | 0.50 | 1.25  | -     | -    | 0.19 | 0.41   | 1.67  | 1.58  | 3.36 |  |  |
| LNG/Gas Carriers         | 0.50      | 0.50 | 1.00  | 0.33  | 0.50 | 1.75 | 0.33 | 0.89    | 0.56  | -    | -    | -    | -     | -     | -    | 0.65 | 0.42   | 0.84  | 0.41  | 2.40 |  |  |
| LPG carrier              | 0.75      | 0.90 | 0.90  | 3.38  | 0.75 | 0.87 | 0.70 | 0.74    | 1.35  | 2.74 | -    | -    | 5.50  | -     | -    | 0.81 | 0.58   | 0.80  | 1.84  | 2.66 |  |  |
|                          |           |      |       |       |      |      |      |         |       |      |      |      |       |       |      |      |        |       |       |      |  |  |
| Containers               |           |      |       |       |      |      |      |         |       |      |      |      |       |       |      |      |        |       |       |      |  |  |
| Feeders (<10k DWT)       | -         | -    | 0.40  | 2.08  | -    | -    | 1.60 | 1.00    | 2.40  | 1.95 | -    | -    | -     | -     | -    | -    | 1.60   | 0.67  | 3.02  | 4.35 |  |  |
| Large (10-90k DWT)       | 1.40      | 0.89 | 1.96  | 2.65  | 1.40 | 0.53 | 0.76 | 1.65    | 1.72  | 1.84 | 1.00 | -    | 0.50  | 1.21  | 0.86 | 0.53 | 0.69   | 1.41  | 1.73  | 2.28 |  |  |
| Ultra Large ( >90k DWT)  | 0.61      | 0.58 | 1.00  | 3.94  | 0.61 | 1.00 | 1.12 | 1.06    | 3.12  | 1.40 | -    | -    | -     | 0.45  | -    | 0.85 | 0.77   | 0.97  | 1.96  | 0.61 |  |  |

Notes

• **Deficiency Per Inspection** = 100 x (sum of deficiencies recorded for the period, age group & regime) / (sum of inspections recorded for the period, age group & regime)

• Period of Analysis: Inspections occurred between 01/01 to 31/03 of 2023 I each of the respective regimes

• Font Color: Green Font indicates the lowest value while red font indicates the highest value of the Fleet segment in the respective regime

• Blank Cells: " – " indicates no deficiencies or detentions in the specific age group of the respective regime

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**RISK4SEA** is a **SaaS PSC Intelligence** platform **illuminating PSC performance** to **Prepare/Assess** PSC inspections, **Benchmark** against competition and **Automate** PSC functions and alerts to **eliminate detentions** and **minimize OPEX**.

# PSC DPI / DER KPIs for Q1 2023

## **Risk**4sea

### **Detention Rate (DER)**

| Segments                 | Paris MOU |      |       |       |       | Tokyo MOU |       |       |       |       |     |      | USCG  |       |      | Global |       |       |       |       |  |
|--------------------------|-----------|------|-------|-------|-------|-----------|-------|-------|-------|-------|-----|------|-------|-------|------|--------|-------|-------|-------|-------|--|
| Age group                | 0-5       | 6-10 | 11-15 | 16-20 | 20+   | 0-5       | 6-10  | 11-15 | 16-20 | 20+   | 0-5 | 6-10 | 11-15 | 16-20 | 20+  | 0-5    | 6-10  | 11-15 | 16-20 | 20+   |  |
| Dry Bulk Ships           |           |      |       |       |       |           |       |       |       |       | -   | -    | -     | -     | -    |        |       |       |       |       |  |
| Handysize (<35k DWT)     | -         | -    | 4.4%  | 2.2%  | 1.4%  | -         | -     | 1.9%  | 2.8%  | 5.4%  | -   | -    | -     | -     | -    | -      | -     | 1.7%  | 2.2%  | 3.5%  |  |
| Handymax (35-50k DWT)    | -         | -    | 3.3%  | -     | -     | -         | 0.85% | 4.2%  | -     | 4.6%  | -   | -    | -     | -     | -    | -      | 0.75% | 2.5%  | -     | 3.2%  |  |
| Supramax (50-67k DWT)    | -         | -    | 3.7%  | 2.7%  | 7.7%  | 2.2%      | 1.3%  | 2.2%  | 1.9%  | 3.3%  | -   | -    | 5.9%  | -     | -    | 0.92%  | 0.81% | 1.5%  | 1.6%  | 2.8%  |  |
| Panamax (67-100k DWT)    | -         | -    | 2.0%  | 8.3%  | -     | -         | 1.1%  | 1.2%  | 0.72% | 2.2%  | -   | -    | -     | -     | -    | -      | 0.71% | 1.5%  | 1.1%  | 1.7%  |  |
| Cape (>100k DWT)         | -         | -    | 5.4%  | -     | -     | -         | 1.6%  | 2.4%  | 2.1%  | -     | -   | -    | -     | -     | -    | -      | 1.3%  | 2.6%  | 2.5%  | -     |  |
| General Cargo            | -         | 3.5% | 3.1%  | 2.0%  | 5.4%  | 4.2%      | 0.98% | 3.3%  | 5.6%  | 5.4%  | -   | -    | -     | -     | -    | 2.6%   | 1.4%  | 2.5%  | 3.5%  | 4.0%  |  |
| Tankers                  |           |      |       |       |       |           |       |       |       |       |     |      |       |       |      |        |       |       |       |       |  |
| Small Product (<25k DWT) | -         | -    | 3.3%  | 3.6%  | 2.4%  | -         | 1.1%  | 1.6%  | 2.2%  | 5.3%  | -   | -    | -     | -     | -    | -      | 0.68% | 1.7%  | 2.7%  | 3.9%  |  |
| MR1/MR2 (25 – 60k DWT)   | -         | -    | -     | -     | -     | -         | 1.1%  | -     | 0.85% | 5.3%  | -   | -    | 14.3% | -     | -    | -      | 0.44% | 0.49% | 0.58% | 3.2%  |  |
| LR1/LR2 (60-125k DWT)    | -         | -    | -     | 10.3% | -     | -         | -     | 6.0%  | 7.1%  | 15.4% | -   | -    | -     | 8.3%  | -    | -      | -     | 2.3%  | 4.9%  | 11.1% |  |
| Suezmax (125-200k DWT)   | -         | -    | -     | -     | 25.0% | -         | -     | -     | -     | -     | -   | -    | -     | -     | -    | -      | -     | -     | -     | 5.6%  |  |
| VLCC (>200k DWT)         | -         | -    | 20.0% | -     | -     | -         | -     | -     | 8.3%  | -     | -   | -    | -     | -     | -    | -      | -     | 1.9%  | 8.3%  | -     |  |
| LNG/Gas Carriers         | -         | -    | -     | -     | -     | -         | -     | -     | -     | -     | -   | -    | -     | -     | -    | -      | -     | -     | -     | -     |  |
| LPG carrier              | -         | -    | -     | 6.3%  | -     | -         | 4.4%  | -     | -     | 6.4%  | -   | -    | -     | -     | -    | -      | 1.4%  | -     | 2.0%  | 3.8%  |  |
| Containers               |           |      |       |       |       |           |       |       |       |       |     |      |       |       |      |        |       |       |       |       |  |
| Feeders (<10k DWT)       | -         | -    | -     | -     | -     | -         | -     | -     | 8.0%  | 2.7%  | -   | -    | -     | -     | -    | -      | -     | -     | 6.4%  | 3.9%  |  |
| Large (10-90k DWT)       | -         | -    | -     | 3.2%  | 3.3%  | 1.1%      | 1.9%  | 1.8%  | 2.0%  | 3.7%  | -   | -    | -     | 10.7% | 4.6% | 0.82%  | 1.4%  | 1.1%  | 2.2%  | 3.2%  |  |
| Ultra Large (>90k DWT)   | -         | -    | -     | 9.1%  | -     | -         | -     | -     | 5.8%  | -     | -   | -    | -     | 4.6%  | -    | -      | -     | -     | 4.4%  | -     |  |

Notes

• **Detention Rate** = 100 x (number of detentions for the period, age group & regime) / (sum of inspections recorded for the period, age group & regime)

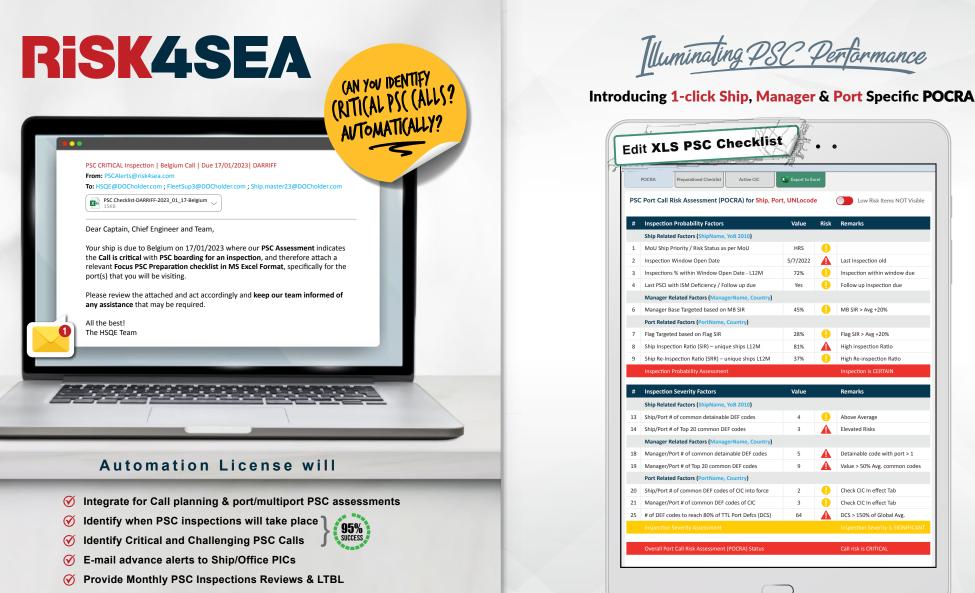
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 $\langle \! \langle \! \rangle \!$ Eliminate Detentions & Minimise 10x OPEX

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Active CIC

Export to Ex

HRS

5/7/2022 Δ

72%

Yes

45%

28%

81%

37%

Value

3

9

3

Risk Remarks

0

0

Α

Α

Δ

A

0

Δ

Low Risk Items NOT Visible

Last Inspection old

MB SIR > Avg +20%

Remarks

Above Average

Elevated Risks

Detainable code with port > 1

Check CIC In effect Tab

Check CIC In effect Tab

DCS > 150% of Global Avg

Value > 50% Avg. common codes

Flag SIR > Avg +20%

High inspection Ratio

High Re-inspection Ratio

Inspection is CERTAIN

Inspection within window due

Follow up inspection due

Client List V



**RISK4SEA** is a SaaS PSC Intelligence platform, illuminating PSC performance to Prepare/Assess PSC inspections, Benchmark against competition and Automate PSC functions and alerts to eliminate detentions and minimize OPEX. Explore more at www.risk4sea.com

