
Ship inspection database and Inspection rate in AMSA



2019. 7. 16

Survey Team

This material was made for just helping understanding ship's operators about ship's rates in AMSA PSC inspection sources from AMSA website and annual report.

Ship inspection Database

AMSA maintain a Shipsys Database which assists to calculate the risk factor of a ship. This lets AMSA target high risk ships for inspection.

This information includes general particulars of a ship, PSC inspection history, including from the Indian Ocean MoU and Tokyo MoU.

Shipsys Database uses this data to calculate the probability of a ship being detained, expressing the result as a percentage which becomes the risk factor. It is this risk factor that allows AMSA to target high risk ships and inspect as required.

Ship eligibility and selection for PSC inspection

Selection of a ship for inspection depends upon a number of factors, including;

- environmental risk
- ship complaints
- our risk-based ship inspection targeting scheme

Targeting system priorities inspection primarily based upon a calculated risk factor.

Target Rate

AMSA prioritise high risk ships and base our decisions to inspect or detain on these priorities and other factors determined by AMSA inspectors professional judgement as well as database.

⌘ 1. Target inspection rate

Priority group	Probability of detention (Risk factor, %)	Target Inspection Rate
Priority 1	6 or higher	80%
Priority 2	4 or 5	60%
Priority 3	2 or 3	40%
Priority 4	0 or 1	20%

⌘ 2. Unique foreign-flagged ship – by priority group

Inspection priority	Ship arrivals		Eligible ships		Ships inspected		Inspection rate	
	2017	2018	2017	2018	2017	2018	2017	2018
Priority 1	640	599	413	448	376	420	91.0%	93.8%
Priority 2	659	619	404	443	317	311	78.5%	70.2%
Priority 3	1965	1860	1559	1582	823	747	52.8%	47.2%
Priority 4	3915	4004	3815	3931	1394	1245	36.5%	31.7%