

# RISK ASSESSMENT

**... A METHODOLOGY THAT ALLOWS  
TO ASSOCIATE ANY IDENTIFIED  
RISK WITH A FIGURE ON A RATING  
SCALE FOR COMPARISON PURPOSE  
AND IN ORDER TO PRIORITIZE  
ACTIONS**



**BUREAU  
VERITAS**

# RISK ASSESSMENT

## 1. IDENTIFICATION OF RISKS

### □ FOR SECURITY PURPOSE

**RISK = THREAT**

### □ THREATS ALWAYS TAKEN INTO CONSIDERATION IN ISPS CODE ARE:

- ✓ PIRACY
- ✓ TERRORISM
- ✓ SMUGGLING
- ✓ STOWAWAYS

**NOTE: MIGHT BE DEVIDED INTO AS MANY ITEMS AS DEEMED NECESSARY (FOR GUIDANCE SEE PART B, 8.9)**



# RISK ASSESSMENT

## 2. DEFINE METHODOLOGY

- DEFINE THE PARAMETERS / CRITERIA
- SCALE THE PARAMETERS / CRITERIA
- SET FORMULA FOR RATING

## 3. APPLY METHODOLOGY

- MATCH IDENTIFIED RISKS AGAINST THESE PARAMETERS / CRITERIA
- OBTAIN RATING FIGURES ACCORDING TO FORMULA



# RISK ASSESSMENT

## 4. POSSIBLE METHODOLOGY FOR ISPS

### PARAMETERS / CRITERIA AND SCALING:

✓ **PROBABILITY (P) = LIKELYHOOD OF OCCURRENCE**

1 = EXTREMELY REMOTE

2 = REMOTE

3 = PROBABLE

4 = FREQUENT

5 = VERY FREQUENT

✓ **CONSEQUENCE (C) = SEVERITY**

1 = MINOR

2 = MODERATE

3 = MAJOR

4 = SEVERE

5 = CATASTROPHIC

✓ **VULNERABILITY**

1 = LOW

2 = MEDIUM

3 = HIGH

4 = VERY HIGH



# RISK ASSESSMENT

## 4. POSSIBLE METHODOLOGY FOR ISPS

$$R = P \times C \times V$$

✓TERRORISM=[REMOTE PROBABILITY (P) 2] x [SEVERE CONSEQUENCE (C) 4] x [HIGH VULNERABILITY (V) 3] = 2 x 4 x 3 = 24

✓SMUGGLING=[VERY HIGH PROBABILITY (P) 5] x [MAJOR CONSEQUENCE (C) 3] x [HIGH VULNERABILITY (V) 3] = 5 x 3 x 3 = 45



# RISK ASSESSMENT

## 5. PRIORITIZE ACTIONS

□ LIMITED RESSOURCES (MONEY, TIME, PEOPLE) HAVE TO MANAGE AN ENORMOUS WORKLOAD (OPERATION, ADMINISTRATION, EMERGENCY PREPAREDNESS [SAFETY + SECURITY]) UNDER RESTTIME (STCW) AND WORKING HOURS (ILO) RESTRICTIONS

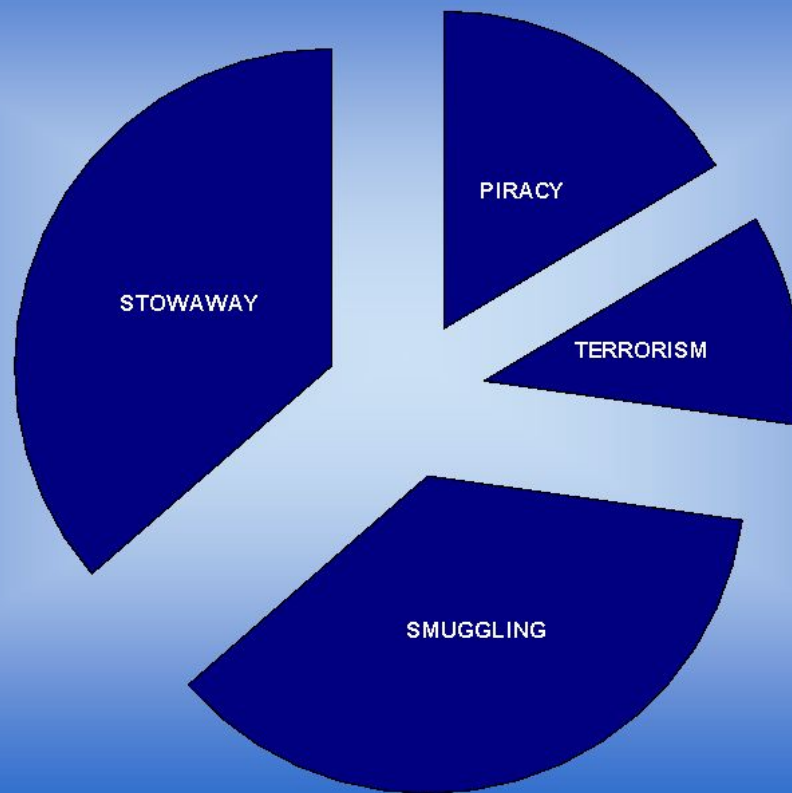
✓ ACTIONS HAVE TO BE PRIORITIZED:

RATING:	1-20	21-40	41-60	61-80	81-100
ACTION:	NO	ON CASE BY CASE BASIS	IN DEFINED RISK AREAS	DAILY IN DEFINED RISK AREAS	DAILY IN ALL AREAS



# RISK ASSESSMENT

RISK RATING



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