

**Information Paper**

**LOCAL VESSELS ADVISORY COMMITTEE  
Subcommittee on Class IV Vessels**

**Conducting Simple Inclining Test  
for Assessing Passenger Carrying Capacity**

**Purpose**

This information paper reiterates the procedures in the determination of stability by simple inclining test (the “test”) for assessing passenger carrying capacity on board local vessels, including Class IV vessels.

**Background**

2. Details of requirements on conducting the test are stipulated in Annex 5 of Code of Practice – Safety Standards for Class IV vessels (Class IV CoP). However, during the recent audits, it has been observed that some tests were not carried out properly.

**The Requirements**

3. The requirements are summarized as follows:

- (i) The test shall only be carried out with weights to represent the intended fully laden service condition;
- (ii) The heeling moment employed in the test should be WB/12 and WB/2 for passenger carrying capacity  $\leq 12$  passengers and 13 – 60 passengers respectively;
- (iii) The following table shows the test criteria:

Passengers	$\leq 12$	13 - 60
Heeling Moment	WB/12	WB/2
Max. Heeling Angle	7°	10°

Whereas W is the weight of passengers, B is the extreme breadth of the vessel;

- (iv) The graphical illustration of the test is at **Annex** for easy understanding.

4. MD had sent instructions to all Authorized Surveyors on 30 April 2021 to remind them of the proper procedures.

### **Way Forward**

5. Members are invited to note the requirements and proper procedures for conducting simple inclining test.

**Marine Department**  
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