



A 08/15



Date : 10 July 2015  
Type : Viking DHC6-400  
Registration : 9M-SSE  
Operator : MASwings  
Fatality : 0  
Nature : Aircraft door open inflight  
Location : En-route from Lawas to Miri, Sarawak

## **SUMMARY**

During flight MH3525 from Lawas to Miri, severe turbulence was encountered. Whilst inside the weather, the Red Master Warning associated 'door unlocked' message on the Crew Alerting System (CAS). Emergency checklist was carried out and the passengers seated next to the door were relocated. The door remain closed at that time. However, on final approach, when the flaps were set to 10 degrees, a loud sound was heard from the cabin and the door was found fully opened. Aircraft landing was uneventfully. There were no damages to the aircraft and there were also no injuries to either passengers or crew.

## **CAUSE**

The opening of the door was a result of the inadequate spring tension on the door guard to positively cover the door handle from inadvertent operation.

## **SAFETY RECOMMENDATIONS**

It is recommended that:

1. The manufacturer should come out with a new and safer design of the guard assembly. The retrofit of the new guard assembly is to be adopted as soon as it is made available.
2. The passenger briefing prior flight should include highlights of potential hazards and safety concerns in relation to the door operation.