

Scope of Major Transportation Occurrence

- I. Major aviation occurrence: refer to any one of the aviation occurrence indicated below:
 - (I) Civil aircraft and public aircraft: associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, and in one of the following situations:
 1. Death or injury of any person.
 2. The aircraft sustains substantial damage, is missing, or is completely inaccessible;
 3. Any other situations that may result in fatalities or injuries, or an aircraft occurrence nearly occurred, and are found necessary to be investigated by the Taiwan Transportation Safety Board (hereinafter referred to as TTSB).
 - (II) Ultra-Light Vehicle (ULV): associated with the operation of an ULV which takes place between the time any person boards the ULV with the intention of flight until such time as all such persons have disembarked, and in one of the following situations:
 1. Death or injury of any person;
 2. The ULV sustains substantial damage, is missing or is completely inaccessible;
 3. Other situations that may significantly affect the lives or properties of civilians, and are found necessary to be investigated by the TTSB.

(III) Drone: associated with the operation of a drone which takes place between the time the propelling system is initiated in preparation for movement with the intention of flight until such time when the flight ends with propelling system being turned off and in one of the following situations:

1. Death or injury of any person;
2. A drone with maximum takeoff weight exceeding twenty-five kilograms sustains substantial damage;
3. Other situations that may significantly affect the lives or properties of civilians, and are found necessary to be investigated by the TTSB.

II. Major railway occurrence: refers to any of the following situations associated with the operation of a train or rolling stock of railway system or mass rapid transit system:

(I) Railway system:

1. Collision on mainline;
2. Derailment on mainline;
3. Train fire on mainline;
4. Level crossing occurrence results in the fatality of person on board or more than five persons are killed and injured;
5. Any situation such as operation against the block protection, operation against the signal, signal passed at danger, facility damage, or trainset failure that may result in the train collision, derailment, or fire, and the TTSB deems it necessary to investigate.
6. Other events that cause significant impact on people's lives or property and the TTSB deems it necessary to investigate.

(II) Mass rapid transit system:

1. Train collision;
2. Train overturn;
3. Train fire;
4. Fatality of person on board;
5. Occurrence against road traffic involving the fatality of person on board or the casualties more than five persons;
6. Other events that cause significant impact on people's lives or property and the TTSB deems it necessary to investigate.

The terms of collision on mainline, derailment on mainline, train fire on mainline, level crossing accident, operation against the block protection, operation against the signal, signal passed at danger, facility damage and trainset failure, mentioned in (I) Railway system, are based on Article 122-1 to Article 122-3 of Railway Train-Control Rules. The term of “occurrence against road traffic” mentioned in Item 5 under (II) Mass Rapid Transit System, refers to an occurrence caused by a train or rolling stock hitting or colliding with a vehicle or pedestrian.

III. Major marine occurrence: means a very serious marine casualty and marine casualty.

- (I) Very serious marine casualty: means an undeliberate act that has resulted in any of the following which has occurred directly in connection with the operations of a civil ship or

public ship:

1. The death of a person;
2. The total loss of a ship;
3. Severe damage to the environment and is found necessary to be investigated by the TTSB.

(II) Marine casualty: refers to any occurrence indicated below to a civil ship or public ship during operation in which a marine casualty nearly occurred, and is found necessary to be investigated by the TTSB.

1. Serious injuries to ten persons or more;
2. The loss of a person from a ship;
3. The ship is abandoned or missing;
4. A crew member whose duties are directly related to the safe operation of the ship is unable to perform their duties as a result of a physical incapacitation which poses a threat to the safety of persons, property or the environment;
5. The ship sustains a total failure of the navigation equipment that poses a threat to the safety of any person, property or the environment;
6. Situations that require emergency measures to avoid marine casualty;
7. The ship sinks, capsizes, founders, goes aground, is involved in a collision, or sustains a fire or an explosion;
8. The ship sustains all or part of the ship's cargo shifts, falls overboard, or liquefies that affects its seaworthiness;
9. There is an occurrence release on board or from the ship consisting of a quantity of dangerous goods or an emission of radiation that is greater than the quantity or emission levels specified in the notification standards of the IMDG

Code (International Maritime Dangerous Goods Code);

10. Marine occurrence results in a residual oil leakage with the amount between one hundred tons and seven hundred tons;
11. The ship or waterway infrastructure sustains substantial damages, or sufficient evidence indicating that the ship or waterway infrastructure is substantially damaged.

IV. Major highway occurrence: refers to one of the following situations while a car is running on the roadways:

- (I) Motor carrier occurrence sustains more than three fatalities, or more than ten fatalities and injuries, or more than fifteen injuries.
- (II) Death of any person caused by the explosions, burning of hazardous materials, or leakage of toxic liquid (gas), radioactive substance while transported by motor carriers.
- (III) Other situations that may significantly affected the lives or properties of civilians, happen repeatedly or are special circumstances to affect highway transportation safety, are found necessary to be investigated by the TTTSB.