



Recent Developments and Experiences - ITSA May. 17. 2021

Background information for ITSA Member States prior to the May 2021 Microsoft Teams tele-conference

State: Taiwan, R.O.C

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Introduction

This report highlights how TTSB coped with the COVID-19 situation, updates the TTSB activities, the transportation occurrence Investigation status, as well as the major activities and a significant investigation case.

COVID-19 Update

State number of cases of COVID19 Infection:	1,210 (as of 11th May)
State number of deaths:	12(as of 11th May)
State number of recoveries:	1,093(as of 11th May)
Number of people in hospital care:	105 (as of 11th May)
Number of infections or deaths in TTSB	0/0

Status of State:

1. Physical/Social distancing measures apply maintaining a distance of 1.5 m from others. Regular hand-washing strongly encouraged.
2. Major airlines China Airlines and EVA Airways have normal cargo flight operation as usual. Domestic air transport flights are restored to normal schedule. European, International flights are operated at reduced frequencies.
3. No mandatory lockdown or confinement to home.
4. All restaurants, pubs, places of worship, galleries, museums, libraries, gyms, amusement parks are operating with cautious.
5. Large gatherings over 100 are prohibited from 10th of May because of the resurgence of the epidemic.
6. Significant restrictions on those enter from Epidemic area shall enforce 14 days isolation period plus 7 days self confined.
7. It is mandatory to wear masks on in public transportation and crowded occasions.



TTSB coping with COVID-19

1. Covid-19 risk assessment conducted (including an emergency plan).
2. The home work plan is ready and the exercise has been completed
3. Apply social tools (LINE, email) to conduct meeting as much as possible .
4. Limit the visitor to TTSB office to avoid the risk of infection.

Major Organisational and/or Staff Changes

The organisational operation in TTSB is normal and no staff change in previous 5 month. We acquired 14 more manpower from our human resources headquarter last week, Currently, the TTSB investigators are 67, including 9 air, 11 marine, 11 railway, 9 highway and 27 engineers to conduct the accident investigation. The supporting staffs remain 15 in TTSB.

Investigation Status

TTSB officially operate the marine, railway and highway occurrence investigation from 1st of Aug. in addition to the air accident investigation, the occurrence investigation status up to date are summarized in Table 1.

Table 1 Investigation status in TTSB

	Aviation	Railway	Marine	Highway
Total No. of Investigation	11	17	105	10
No. of On-going Investigation	6	13	51	8

Major activities

The major activities of TTSB are list as following:

- Continually enhance the investigation capabilities of air, marine, railway and high way; such as: proficient training, readout equipments setup, analysis tool buildup, simulation and animation software buildup etc.
- Plan and organize the transportation safety research engineering center

- Research and develop the potential safety issues and concerns and try to work out the solutions.
- Prepare to revise the investigation act to respond the new space development act legislation.
- Assist MND to conduct the military aircraft accident investigation.

Significant investigation Case (Rail accident)

On April 2, 2021, at about 0928 AM, a Taroko Express train with No.408 of Taiwan Railways Administration, MOTC (TRA) departed from Shulin for Taitung, a total of 8 cars, with 494 passengers and 4 TRA staffs on board. When the train was on southbound between Heren and Chongde, about 231m after exiting Heren Tunnel and 39m before the north entrance of Cingshuei Tunnel (K51+449.1), hit a crane truck stopped on the track that slide off the side slope from a nearby construction ramp. As a result, all eight cars of the train were derailed and car 8 to car 3 were stuck in the tunnel. (Ref. fig. below)

The left side of car 8 collided with the tunnel entrance and damaged, car 7 was disconnected from car 6, and car 6, 5, and 4 were squeezed and deformed. A total of 49 people were killed and more than 200 injured.

The initial finding of this event was a crane truck slid down the hill slope and unfortunately landed on the rail track in front of the Cingshuei tunnel a minute before the express train rushing to the crashing site.

