

## **Accident involving vehicles 17.8.2019 at TSTOS 19 airsoft event on Kristiaanintie at Padasjoki**

There has been an accident on a closed area on Kristiaanintie where an ATV Arctic Cat ALTERRA TRV 550 license plate 137-BAR coupled with trailer WMB-291 has fallen off a gravel road travelling at a low speed in a decent. The flatbed trailer was loaded with approximately 20-25 participants. The event has caused bodily injuries for those on the trailer following a sudden stop. Members of Ehasa ry on the towing ATV have also suffered minor injuries. Both the ATV and the trailer are rented from a third party.

The majority of the participants involved have continued participation in the event. Those who have suffered bodily injuries or material damages stayed on site. In addition to bodily injuries, the vehicle equipment involved has been damaged.

The incident happened when the ATV+trailer combination was being used for personnel transportation in a closed area near the crossroads on Kristiaanintie (WGS84: 61.265757, 25.240638) north of Iso-Tarus lake. The decent on site was approximately 4 degrees.

The curb weight of the trailer is 670 kg and has two axles. The maximum permissible weight of the trailer is 2700 kg.

The curb weight of the towing vehicle is 479 kg. The towing vehicle was carrying a driver and two passengers. The maximum permissible vehicle combination weight is 1578 kg according to the ATV.

After the incident, the trailers brakes were tested and the following was found:

- The axles of the trailer and the entire body except for the drawbar have not been damaged.
- The front axle of the trailer turns freely when towing, even with the handbrake applied.
- Only the rear axle does brake actively, with reduced force though.

The trailers braking force was reduced to at least half of its intended original. No traces of trailer brakes being applied have been found on site.

The circumstances at the time were good. The road was a gravel road. The weather was dry with the temperature being around 17 degrees centigrade with partly cloudy skies. There was forest on both sides of the road.

### **Conclusions:**

A contributing factor to the incident was inappropriate speed at the beginning of the decent, the trailer brakes being partly dysfunctional, overweight of the vehicle combination and the difference in weight between the towing vehicle and trailer. The incident occurred in a closed area.

### **Actions taken on site and post incident:**

According to the most recent information available, seven people have been transported to the nearest hospital by Ehasa ry. One person is known to have suffered injuries requiring hospitalization. Those injured were immediately placed under observation at the site of the incident by other involved parties and members of Ehasa ry. First aid organized by Ehasa ry were on site within 10 minutes. Bodily injuries caused by the incident will be reimbursed by the

insurance of the towing vehicle. Property damages will primarily be reimbursed by Ehasa ry, who will contact those involved.

**In the future:**

- No trailers will be used for transportation of personnel.
- Extra attention will be focused on the technical state of rented vehicles.
- We will make sure that all parties involved will get proper compensation for their damages.

Ehasa ry deeply regrets the incident.

Padasjoki 17.8.2019

Ehasa ry

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