European Union Aviation Safety Agency

# FAQ n.142315

## FAQs:

Rescue and Firefighting, Aerodromes (ADR), Regulations

## Question:

**What are foam production performance tests?**

## Answer:

Whatever is the fire performance level of a selected foam, according to ICAO fire testing protocols, foam production by the airport's RFFS vehicles should be acceptable, considering fire testing conditions and expected performance of foam according to the foam manufacturer.

Foam production performance tests are measurements conducted with the airport's ARFF vehicles to verify:

- Performances of the proportioning system of the vehicle;
- Quality of foam (expansion ratio and 25% drainage time) produced with turret monitor and all other foam-making devices;
- Jet range of the main monitor.

Results of these tests, compared with expected performances, help to assess the compatibility of foam and vehicles in the foam acceptance process. Initial results may be also used as reference for periodic in-service tests to ensure the ongoing performances of foam and foam production equipment. Considering that with Fluorine Free Foams, the quality of produced foam is more critical, performances of the main turret, in particular non-aspirated nozzle, should be assessed with care.

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## Link:

https://www.easa.europa.eu/en/faq/142315