European Union Aviation Safety Agency

Response Time

AMC5 ADR.OPS.B.010(a)(2), point (a) refers to a response time not exceeding three minutes, and to an operational objective not exceeding two minutes. How should the operational objective be considered in relation to the response time?

Answer

The response time not exceeding three minutes should be considered as a time frame that should be met under optimum visibility and surface conditions.

The operational objective should be considered as a desired target under ideal conditions and understood “as low as reasonably possible and feasible” (considering saving lives as primary objective as well as relevant financial, organisational, technological, and human factors).

Getting as close as possible to the operational objective encompasses the set-up of a continuous improvement process (e.g. training, vehicle management, fire station(s) location and design, guidance, access roads, procedural amendment(s)).

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Link:
https://www.easa.europa.eu/en/faq/140168

AMC5 ADR.OPS.B010(a)(2), point (a) refers to the time of the initial call to the rescue and firefighting services. How should the term ‘initial call’ be understood?

Answer

- ‘Initial call’ means the first sound of the siren in the fire station, the pager’s alarm or any other means of alert notified by air traffic services (ATS) or any other party [or person], indicating an aircraft incident to the rescue and firefighting services.
- Assessment of the response time should take into account the various significant milestones, and in particular any delay in communicating the incident’s location.

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https://www.easa.europa.eu/en/faq/140170

AMC5 ADR.OPS.B010(a)(2), point (a) refers to the ‘position to apply foam’. How should the term ‘position to apply foam’ be understood?

Answer

As the capabilities of vehicles (e.g, moving and discharge or stop and discharge) and the procedures (e.g. one or two persons) in place at aerodromes vary widely, in such a context:

- To be in a ‘position to apply foam’ means the moment whenever the vehicle(s) is capable to effectively apply at least 50 % of the required discharge rate as per the reported incident’s category.
- The requirement may be considered to be fulfilled as soon as the vehicle(s) reach(es) a location where fire monitors of the vehicle(s) are within the range of where the incident occurred and is/are in a position to effectively apply the extinguishing agents at the specified discharge rate.
- The capabilities of vehicles and procedures in place should be taken into consideration when calculating the response time.

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AMC5 ADR.OPS.B010(a)(2), point (a) defines that the response time is subject to optimum visibility and surface conditions. What circumstances should be considered as optimum visibility and surface conditions?

Answer

‘Optimum visibility’ includes daytime and good visibility that is not being interfered by any environmental impacts impairing the driver’s view (e.g. precipitation such as rain, snow, or fog).

‘Optimum surface conditions’ means that the normal response route (i.e. the predefined route that is normally available unless there is a temporary maintenance) can be accessed without delay and is free of any:

- environmental contamination (e.g. no precipitation, water, ice, or snow); or
- unusual or unpredictable obstacles affecting safety and effective response time (e.g. foreign object debris (FOD), traffic obstructing RFFS routing, etc.).

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AMC5 ADR.OPS.B.010(a)(2), points (a) and (b) define that the response time should be achieved to any point of each operational runway and calculated to any part of the movement area. How many measurements/calculations should be conducted to meet the requirement of ‘any point’ or ‘any part’?

Answer

Usually, the response time should be achieved from the fire station(s) to the furthest point of the runway/s. However, if there are objective reasons why another point of the runway/s might be reached earlier or later (e.g. in case of more turns slowing down the vehicle speed), the response time should also be achieved to this point(s).

The same approach based on calculations should apply to any other parts of the movement area than the runway/s. However, as the complexity of the movement area might usually be more diverse, in many cases, more than one calculation might be considered.

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AMC5 ADR.OPS.B.010(a)(2), point (d) refers to guidance material that should be provided to meet the operational objective as nearly as possible in less than optimum visibility. To which response time(s) does that refer to?

Answer

AMC5 ADR.OPS.B.010(a)(2), point (d) aims to ensure an as quick as possible response to an incident and in less than optimum visibility, as orientation might be difficult. Hence, it refers to the response time of three minutes to any point of each operational runway/s, as per point (a) of

the AMC, as well as to the response time to be calculated for any other part of the movement area, as per point (b) of the AMC.

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