



Ministry
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Defence Fire and Rescue Tactics Techniques & Procedures

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Stakeholders:
DFR HQ ✓ Capita Fire and Rescue ✓
RN Aircraft Handler ✓ RAF Fire and Rescue ✓
DFRS LEC ✓ Other FRS Providers¹ ✓
DFRS (Retained Officers) DFRS (USVF)

Technical Approved Defence Fire and Rescue (CFR HQ)
Operations Committee

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¹ Other FRS Providers include Babcock Fire Services, Mitie Fire Service, QinetiQ Fire Service.



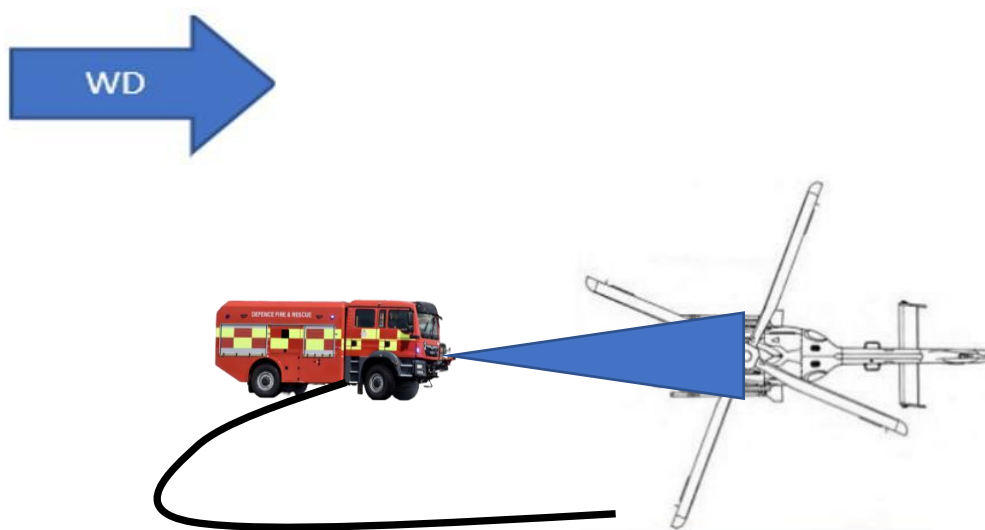
AIRCRAFT TACTICS TECHNIQUES PROCEDURES - ATTP A32

Airbus EC145 Jupiter

Note: Tern Hill operates the RRV however the tactics remain the same for both the MPRV and RRV

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TTP-1 External Fire



Cat H1

Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing Major Incident Plan
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Provide M/ETHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

Crash 1 - MPRV/RRV Actions:

- Deploy vehicle at nose on to the aircraft taking wind direction into account
- Operate monitor and extinguish fire utilising mass discharge to create survivable conditions
- Driver to remain on vehicle to utilise monitor as covering jet
- Deploy hose reel or 45mm jet for personal protection and prepare for entry into aircraft
- BA team access aircraft and survivable conditions
- Confirm/make safe aircraft systems
- In hours of darkness use scene lighting and portable lighting where necessary
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties
- Cool airframe if required
- Consider further media application
- Provide scene safety.

Specific Aircraft Hazards:

- Rotors
- Flammable liquids
- Flammable/pressurised Gases

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- Environmental conditions
- Composite Materials in drifting smoke plume.

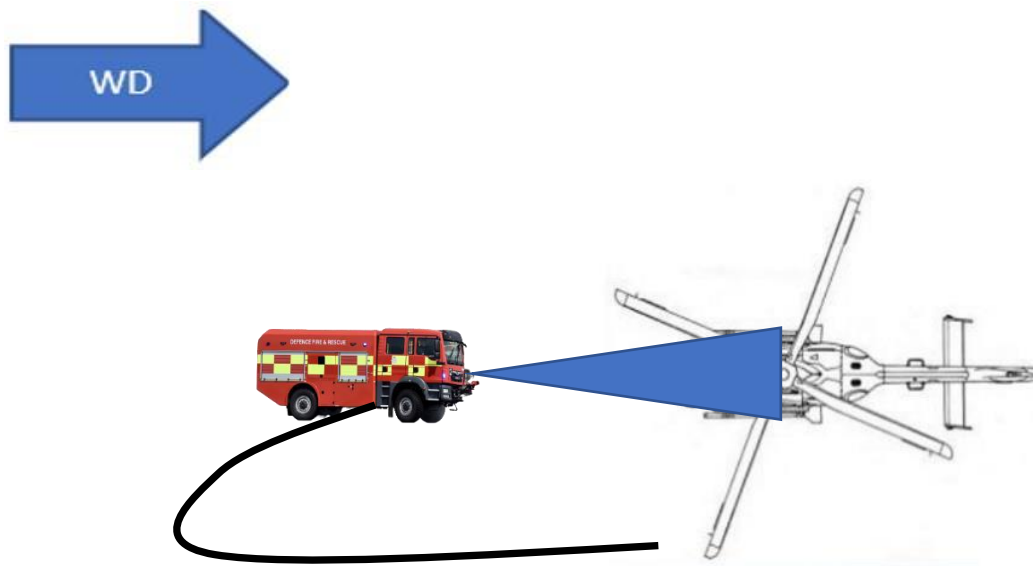
Supporting Information:

- DFR-OG 009 - Aircraft Fires
- Ops Instruction 001 - Aircraft Incidents
- Ops Instruction 002 - CFR HSE Policy
- Ops Instruction 005 - Low Speed Manoeuvring
- Ops Instruction 006 - MPRV ARFF Positioning Deployment & Task
- Ops Instruction 007 - MPRV Vehicle Operations
- Ops-Instruction 024 - RRV (ARFF) Vehicle-Operations
- Ops-Instruction 026 - RRV-ARFF-Positioning-Deployment-and-Task-V1.2
- Ops Instruction 033 - BA Operations
- Ops Instruction 066 - Fire Contaminants
- Ops Instruction 069 - Polymer-Composites-and-MMMF
- Op Guidance 002 - Incidents Involving Rotary Wing Aircraft
- Op Guidance 003 - Aircraft Fuel Fires
- Op Guidance 007 - Aircraft Engine Fires
- MOD Aircraft Crash Hazards Document Set
- Airbus Helicopters Ground Rescue Booklet EC135.

Training:

- Aircraft familiarisation - AQRC
- Engine shut down - Engineers familiarisation training
- Deployment exercise(s)
- Redkite CMS
- Aircraft lecture 6 monthly lesson

TTP 2 - Engine Compartment Fires



Cat H1

Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing Major Incident Plan
- Direct firefighting actions
- Consider contacting aircraft commander via ATC or 121.6 if available
- Be aware of PAX exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Provide M/ETHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

Crash 1 – MPRV/RRV Actions:

- Deploy vehicle at nose on to the aircraft taking wind direction into account
- Operate monitor and extinguish fire utilising mass discharge to create survivable conditions
- Driver to remain on vehicle to utilise monitor as covering jet
- Deploy hose reel or 45mm jet for personal protection and prepare for entry into aircraft
- BA team access aircraft and survivable conditions
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- In hours of darkness use scene lighting and portable lighting where necessary
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties
- Cool airframe if required

- Consider further media application
- Provide scene safety.

Specific Aircraft Hazards:

- Rotors
- Flammable liquids
- Flammable/pressurised Gases
- Composite aircraft materials.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- Environmental conditions
- Composite Materials in drifting smoke plume.

Supporting Information:

- DFR-OG 009 - Aircraft Fires
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- Ops Instruction 069 - Polymer-Composites-and-MMMF
- Op Guidance 002 - Incidents Involving Rotary Wing Aircraft
- Op Guidance 003 - Aircraft Fuel Fires
- Op Guidance 007 - Aircraft Engine Fires
- AQRC - A32 EC145 Jupiter
- MOD Aircraft Crash Hazards Document Set
- Airbus Helicopters Ground Rescue Booklet EC145.

Training:

- Aircraft familiarisation - AQRC
- Engine shut down - Engineers familiarisation training
- Deployment exercise(s)
- Redkite CMS
- Aircraft lecture 6 monthly lesson

Document Control					
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V1.0	01/05/21	S White	Crew Manager	Initial	
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V1.1	20/05/24	S Cook	DFR HQ	Endorsement	