



Ministry  
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## Defence Fire and Rescue Tactics Techniques & Procedures

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| <b>Stakeholders:</b>      | DFR HQ  | ✓ Capita Fire and Rescue           | ✓ |
|                           | RN Aircraft Handler   | ✓ RAF Fire and Rescue              | ✓ |
|                           | DFRS LEC  | ✓ Other FRS Providers <sup>1</sup> | ✓ |
|                           | DFRS (Retained Officers)  | DFRS (USVF)                        |   |
| <b>Technical Approved</b> | Defence Fire and Rescue (CFR HQ)<br>Operations Committee  |                                    |   |
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<sup>1</sup> Other FRS Providers include Babcock Fire Services, Mitie Fire Service, QinetiQ Fire Service.



Defence Fire & Rescue

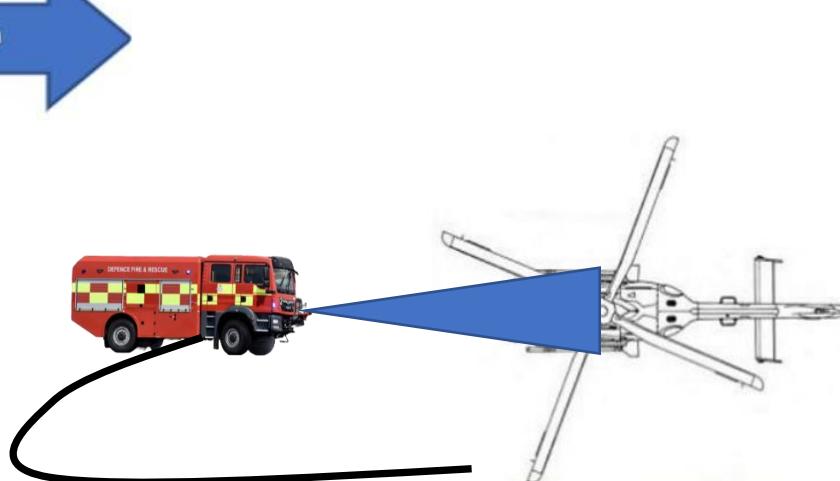
## AIRCRAFT TACTICS TECHNIQUES PROCEDURES

### Airbus EC135 Juno

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:**

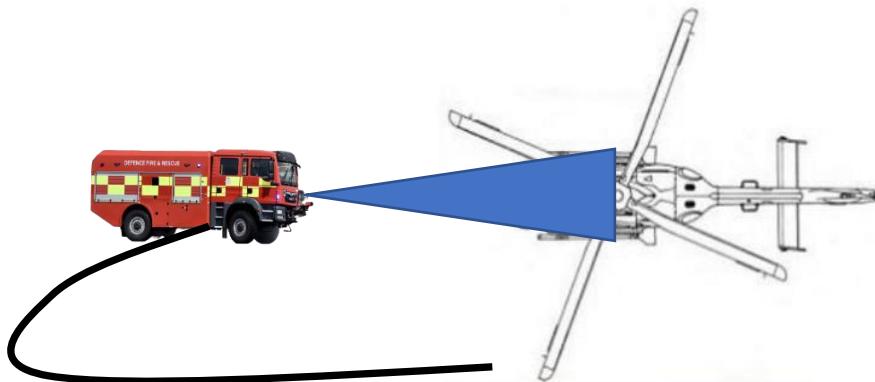
- DFR-OG 009 - Aircraft Fires
- Ops Instruction 001 - Aircraft Incidents
- Ops Instruction 002 - CFR HSE Policy
- Ops Instruction 005 - Low Speed Manoeuvring
- Ops Instruction 006 - MPRV ARFF Positioning Deployment & Task
- Ops Instruction 007 - MPRV Vehicle Operations
- Ops-Instruction 024 - RRV (ARFF) 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

WD



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.

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- Aid Medics in extricating casualties
- Cool airframe if required

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- Provide scene safety.

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

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## Document Control

| Version | Date       | Author       | Role/Name          | Status             | Changes                          |
|---------|------------|--------------|--------------------|--------------------|----------------------------------|
| V1.0    | 01/05/2021 | S White      | Crew Manager       | Initial            |                                  |
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| V1.1    | 16/05/24   | S White      | Watch Manager      | Station Reviewer   | Nil                              |
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| V1.1    | 20/05/2024 | P McGuinness | CFR Hd of Response | Review             | Cover, layout and policy updates |