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## Defence Fire and Rescue Tactics, Techniques & Procedures

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	RN Aircraft Handler <sup>1</sup>	✓	RAF Fire and Rescue	✓
	DFRS LEC	✓	Other FRS Providers <sup>2</sup>	✓
	DFRS (Retained)		DFRS (USVF)	
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<sup>1</sup> RN (AH) stakeholders are the Operational Responders based at the Culdrose, Predannick, Yeovilton and Merryfield aerodromes.

<sup>2</sup> Other FRS Providers include Babcock and Mitie Fire Services.

## VERSION CONTROL HISTORY

Version	Date	Amended by	Role	Change	Status
V1.0	05/08/2021	P Murphy	FSM		Draft
V1.0	05/08/2022	P. Morrisroe	WM		For Issue
V1.0	05/08/2023	P. Morrisroe	WM		Review
V1.1	12/07/2024	P. Morrisroe	WM	Deploy 45mm hose/hose reel (as applicable) - following 2PA	Review
V1.1	12/07/2024	P McGuinness	CFR Hd of Response	Layout tweaks and new cover. Sponsor details changed.	Endorsed
V1.1	15/07/2024	S Cook	AM	DFR HQ - Stakeholder review	Endorsed

# Defence Fire & Rescue



## AIRCRAFT TACTICS TECHNIQUES PROCEDURES

### Euro copter AS365 Dauphin

#### MPRV (Crash1)

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## TTP 1 – Engine/External Fire

### Event Plan - Initial Deployment

WIND DIRECTION



### Incident Commander Considerations:

- Conduct DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- Incident Commander may conduct initial firefighting, then directs further firefighting actions.
- Be aware of PAX/Dog\* exiting aircraft on both sides. Number of PAX can be up to 12
- 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.

*\*Hereford Garrison only*

## **Crash 1 - MPRV Actions:**

- Deploy vehicle centrally to the aircraft
- Be aware of PAX/Dog exiting the aircraft on both sides
- Be prepared to operate monitor and/or other firefighting media, as directed by IC
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment Procedures
- Deploy 45mm hose/hose reel (as applicable) and prepare for entry into the aircraft
- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems
- Triage casualties on board if survivable conditions are present
- Aid medics in extricating casualties.

## **Specific Aircraft Hazards:**

- Flammable liquids
- Pressurised gases
- Explosive and smoke generating material
- Flotation initiator system
- Composite Material
- Main/Tail Rotors.

## **Further Considerations:**

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

## **Supporting Information:**

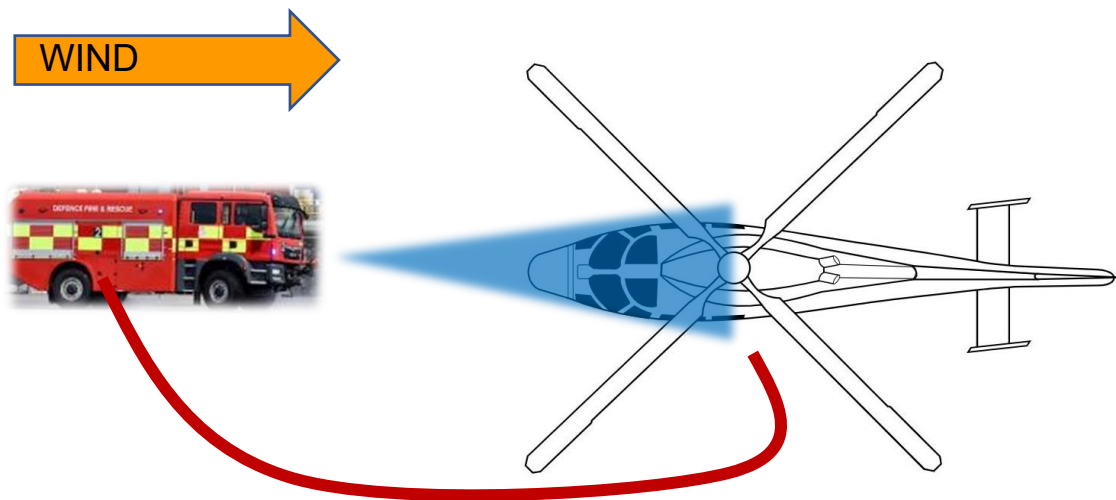
- DFR-OG 009 - Aircraft Fires
- Ops Instruction 001 - Aircraft Incidents
- Ops Instruction 002 - CFR HSE Policy
- Ops Instruction 005 - Low Speed Manoeuvring
- Ops Instruction 006 - MPRV ARFF Positioning Deployment & Task
- Ops Instruction 007 - MPRV Vehicle Operations
- Ops Instruction 033 - BA Operations
- 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

## **Training:**

- Aircraft familiarisation
- Deployment exercise(s)
- Redkite CMS
- Aircraft lecture - 6 monthly lesson / familiarisation presentation.

## TTP 2 – Internal Fire

### Event Plan - Initial Deployment



### Incident Commander Considerations:

- Conduct DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- Incident Commander may conduct initial firefighting, then directs further firefighting actions.
- Be aware of PAX/Dog\* exiting aircraft on both sides. Number of PAX can be up to 12
- 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.

*\*Hereford Garrison only*

### Crash 1 - MPRV Actions:

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX/Dog exiting the aircraft
- Consider method of entry if PAX remain on board
- Don BA and utilise rapid deployment procedures
- Deploy 45mm hose/hose reel (as applicable) and prepare for entry into the aircraft
- Gain access to the aircraft and create survivable conditions by extinguishing fire & ventilating
- Remove any casualties from immediate danger
- Triage casualties on board if survivable conditions are present
- Aid medics in extricating casualties.

### **Specific Aircraft Hazards/Procedures:**

- Flammable liquids
- Pressurised Gases
- Solids
- Explosive and smoke generating material
- Composite Materials
- Main/Tail Rotors.

### **Further Considerations:**

- Aircraft position and wreckage
- Leaking fuel
- Small arms/weapons
- APU
- Passengers
- Other agencies
- Internal lighting
- Ventilation.

### **Supporting Information:**

- DFR-OG 009 - Aircraft Fires
- Ops Instruction 001 - Aircraft Incidents
- Ops Instruction 002 - CFR HSE Policy
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- Ops Instruction 006 - MPRV ARFF Positioning Deployment & Task
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