



Ministry
of Defence



Defence Fire and Rescue

Tactics Techniques & Procedures

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 Providers ¹	✓
	DFRS (Retained Officers)		DFRS (USVF)	

Technical Approved Defence Fire and Rescue (CFR HQ)
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¹ Other FRS Providers include Babcock Fire Services, Mitie Fire Service, QinetiQ Fire Service.

Document Control

Version	Amendment	Para No. Affected/Brief Details	Amended By	Date
V1.0	Draft		Sgt Tipper	03/11/22
V1.1	Review	Formatting amendments Minor statement changes made to document	FS Freeborn	22/11/22
V1.1	Issue	Format and New Cover	P McGuinness	06/01/23

AIRCRAFT TACTICS TECHNIQUES PROCEDURES (ATTP/A33)

Apache AH64D

This TTP applies to the operation of 2 MPRVs (at RAF ODIHAM).

MPRV (Crash1)

1 x JNCO (CM)
1 x ERD
1 x AS1/2 (Fftr)

MPRV (Crash 2)

1 X SNCO (WM)
1 x ERD

Document Control

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TTP 1 - External Fire

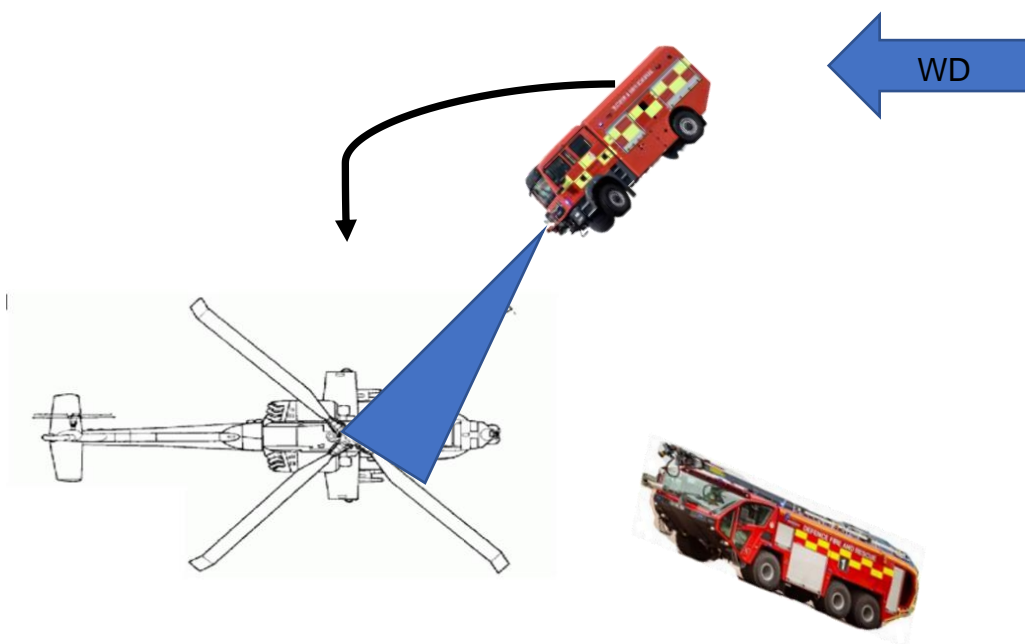
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TTP 2 - Engine Compartment Fire

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TTP 1 – External Fire

Event Plan – Initial deployment



Incident Commander Considerations:

- Confirm whether armaments and countermeasures are present
- Consider alternative safe deployments of ARFF Vehicles (armaments depending)
- Conduct and complete DRA
- Order BA Team to don BA using Rapid Deployment
- Declare Tactical Mode
- Consider required agencies and resources
- Consider implementing Major Incident Plan
- Direct firefighting actions to create survivable conditions
- Consider mass discharge from monitor
- Consider use of secondary media
- Consider contacting aircraft commander via ATC or 121.6 if available
- Be aware of aircrew exiting aircraft
- Direct BA rescue crew
- Direct Medical Teams
- Direct all operational control and implement ICS
- Provide M/ETHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water replenishment from Crash 2
- Consider media run-off and water courses on scene.
- Consider preservation of evidence
- Instigate JESIP for multi-agency incident.

Crash 1 – MPRV Actions

- Deploy vehicle at minimum of 45-degree angle to aircraft nose (armaments depending)
- Be aware of aircrew exiting the aircraft
- Direct Personnel away from the airframe
- Consider use of monitor to extinguish fire.
- Consider use of secondary agents.
- Consider method of entry if PAX remain onboard
- Don BA and instigate Rapid Deployment Procedures if required
- Deploy media with sufficient lengths of 45mm hose/hose reel as determined by IC DRA and prepare for entry into aircraft
- BA team access aircraft and create survivable conditions if required
- Confirm/make safe aircraft systems
- Utilise Medics to triage aircrew on board if survivable conditions are present
- Aid Medics in extricating aircrew
- Consider use of auxiliary equipment such as TIC
- Carry out external airframe cooling
- Maintain contact with IC
- Provide scene safety.

Crash 2 - Striker Actions:

- Deploy vehicle at 45 degrees to the aircraft
- Be aware of aircrew exiting the aircraft
- Consider necessity to water relay to Crash 1.
- Consider use of FLIR to check for additional hotspots (post fire extinguishment)

Specific Aircraft Hazards:

- Rotors
- Armaments / Pyrotechnics
- Flammable liquids
- Flammable/pressurised gases
- Composite aircraft materials.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Aircrew
- Other agencies.

Supporting Information:

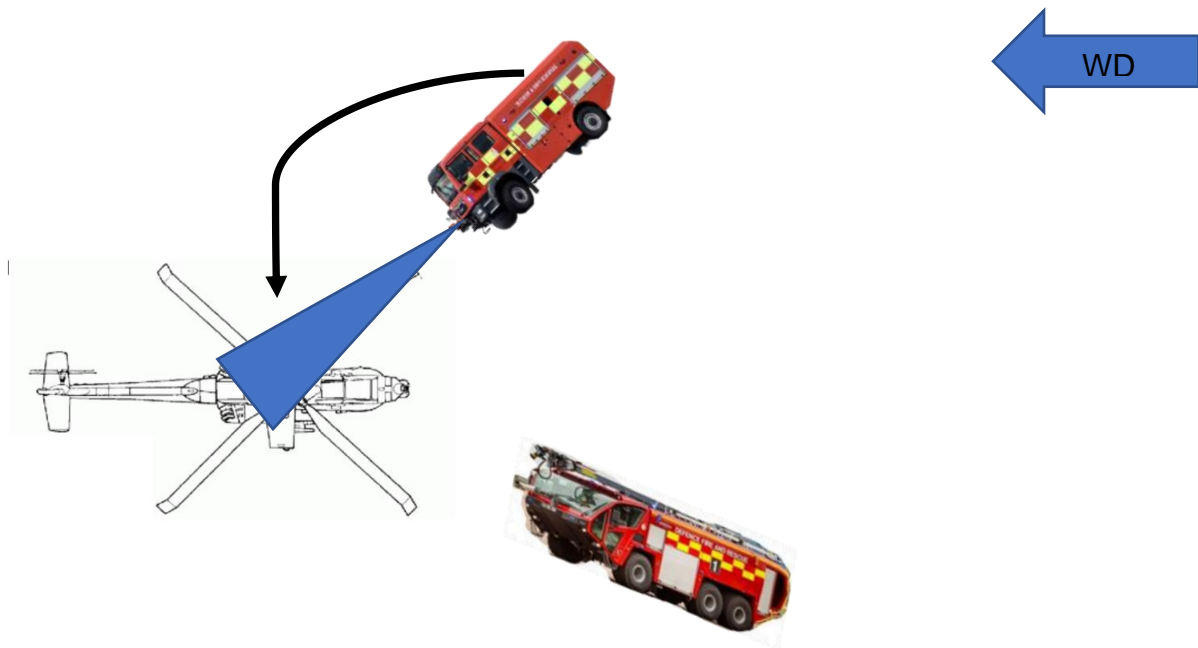
- NOG
- CFR ARFF TOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 033 – BA Operations
- CFR Op Guidance 001 – Aircraft Incidents
- CFR Op Guidance 002 – Incidents Involving Rotary Wing Aircraft
- CFR Op Guidance 003 – Aircraft Fuel Fires
- CFR Op Guidance 006 – Aircraft Internal Fires
- CFR Op Guidance 007 – Aircraft Engine Fires
- CFR Ops Instruction 009 – Oshkosh Striker HRET Positioning, Deployment and Task
- CFR Ops Instruction 016 – Oshkosh Striker HRET Operator Considerations
- MOD Aircraft Crash Hazards Document Set
- AQRC A33 – AH64D Apache
- NATO STANAG/TO 00-105E-9-Chapter 13 (revision 16)
- DSA 1000m assessments
- DSA Water assessments
- DSA Response assessments

Training:

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

TTP 2 – Engine Compartment Fire

Event Plan - Initial Deployment



Incident Commander Considerations:

- Confirm whether armaments and countermeasures are present
- Consider alternative safe deployments of ARFF Vehicles (armaments depending)
- Conduct and complete DRA
- Order BA Team to don BA using Rapid Deployment
- Declare Tactical Mode
- Consider required agencies and resources
- Consider implementing Major Incident Plan
- Direct firefighting actions to create survivable conditions
- Consider mass discharge from monitor
- Consider use of secondary media
- Consider contacting aircraft commander via ATC or 121.6 if available
- Be aware of aircrew exiting aircraft
- Direct BA rescue crew
- Direct Medical Teams
- Direct all operational control and implement ICS
- Provide M/ETHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water replenishment from Crash 2
- Consider use of FLIR (post fire) to detect any hotspots left on aircraft
- Consider media run-off and water courses on scene.
- Consider preservation of evidence
- Instigate JESIP for multi-agency incident.

Crash 1 - MPRV Actions:

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