



Ministry  
of Defence



## Defence Fire and Rescue Tactics Techniques & Procedures

### Operational Instruction

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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)	

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

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<sup>1</sup> Other FRS Providers include Babcock Fire Services, Mitie Fire Service, QinetiQ Fire Service.



## AIRCRAFT TACTICS TECHNIQUES PROCEDURES

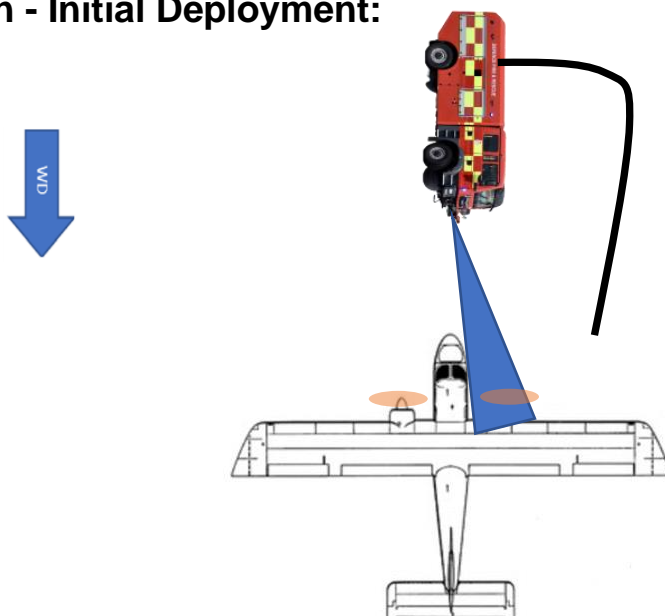
### Britten Norman Islander/Defender

1 x MPRV

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## TTP 1 - Engine Fire

### Event Plan - Initial Deployment:



**BEWARE OF APPROACH IF PROPELLERS ARE TURNING**

### Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- 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 if required
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

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

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Be prepared to operate monitor
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment procedures
- Deploy sufficient lengths of hose (45mm) and prepare for entry into aircraft
- BA Team may wish to consider rear access (if propellers are turning)
- Confirm/make safe aircraft systems
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

## **Specific Aircraft Hazards - (Make use of AQRC):**

- Flammable liquids
- Pressurised gases.

## **Further Considerations:**

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

## **Supporting Information:**

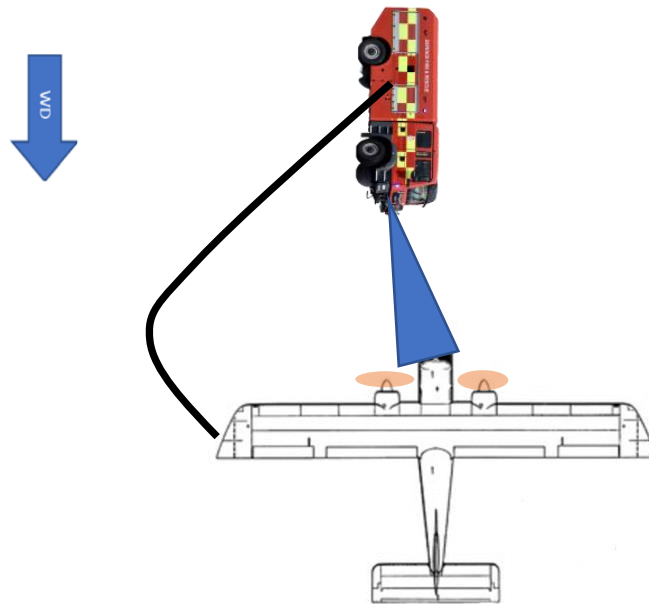
- NOG
- CFR ARFF TOG
- CFR Ops Instruction 001 – Aircraft Incidents
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- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 033 – BA Operations
- CFR Op Guidance 003 – Aircraft Fuel Fires
- CFR Op Guidance 005 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – Aircraft Engine Fire
- CFR Op Guidance 008 – Aircraft Undercarriage Incidents
- MOD Aircraft Crash Hazards Document Set
- NATO STANAG/TO 00-105E-9-Chapter 13 (revision 16).

## **Training:**

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

## TTP 2 - Wheel Assembly Incidents

### Event Plan - Initial Deployment:



**BEWARE OF APPROACH IF PROPELLERS ARE TURNING**

### Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- 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 if required
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

### Crash 1 - MPRV Actions:

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Be prepared to operate monitor
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment procedures
- Deploy sufficient lengths of hose (45mm) and prepare for entry into aircraft
- BA Team may wish to consider rear access (if propellers are turning)
- Confirm/make safe aircraft systems
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

## **Specific Aircraft Hazards - (Make use of AQRC):**

- Flammable liquids
- Pressurised gases.

## **Further Considerations:**

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- The actions during this incident will be dependent on the following conditions:

1. Is the wheel assembly on fire?
2. Is the fire confined to one area or is escalation likely?

## **Supporting Information:**

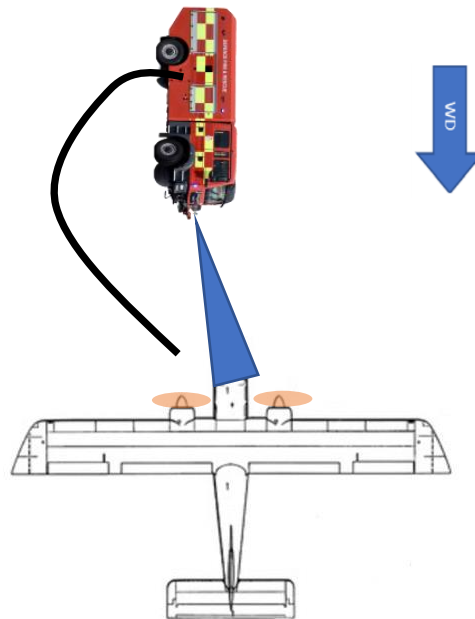
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## **Training:**

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

## TTP 3 - Internal Fire

### Event Plan - Initial Deployment



**BEWARE OF APPROACH IF PROPELLERS ARE TURNING**

### Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- 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 if required
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

### Crash 1 - MPRV Actions:

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Be prepared to operate monitor
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment procedures
- Deploy sufficient lengths of hose (45mm) and prepare for entry into aircraft
- BA Team may wish to consider rear access (if propellers are turning)
- Make access to aircraft create survivable conditions by extinguishing fire and ventilating
- Remove any ambulant casualties from immediate danger
- Confirm make safe aircraft systems
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

## **Specific Aircraft Hazards - (Make use of AQRC):**

- Flammable liquids
- Pressurised gases.

## **Further Considerations:**

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- Internal lighting
- Hydraulic ventilation.

## **Supporting Information:**

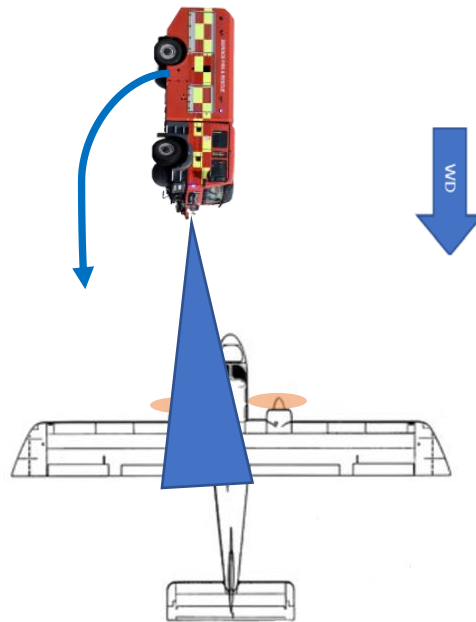
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## **Training:**

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

## TTP 4 - External Fires

### Event Plan - Initial Deployment



**BEWARE OF APPROACH IF PROPELLERS ARE TURNING**

### Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- If external fire only then utilise MPRV monitor
- 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 if required
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Water consolidation/replenishment.

### Crash 1 - MPRV Actions:

- Deploy vehicle to rescue side of aircraft
- Deploy monitor to create survivable conditions and/or extinguish fire utilising mass discharge
- Be aware of PAX exiting the aircraft
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment Procedures (If required)
- Deploy sufficient lengths of hose (45mm) if required
- Make access to aircraft crew and confirm survivable conditions (If required)
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.



## Specific Aircraft Hazards - (Make use of AQRC):

- Flammable liquids
- Pressurised gases.

## Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- The priority should be engaged in offensive firefighting actions prior to engaging pump & roll.

## Supporting Information:

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## Training:

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

## Document Control

Version	Date	Author	Role	Status	Changes
V1.0	2021/01/11	Roberts	Trg Mgr (NHT)	Initial	
V1.1	2023/10/31	McGuinness	Hd of Response	Review	New Cover, Tabs, Badge