



Ministry  
of Defence



## Defence Fire and Rescue

### Tactics, Techniques & Procedures

#### Tactics, Techniques & Procedures

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	RN Aircraft Handler	✓	RAF Fire and Rescue	✓
	DFRS LEC	✓	Other FRS Providers	✓
	DFRS (Retained Officers)		DFRS (USVF)	

**Technical Approved** ✓  
DFR HQ & CFR  
Operations Committee

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## VERSION CONTROL HISTORY

Version	Amendment	Brief Details	Amended By	Date
V0.1	Initial Issue	—	Sgt Oliver	06/10/2021
V0.1	Re-Issue	Amendment of vehicle callsign	Sgt Perry-Swinnerton	24/08/2022



## AIRCRAFT TACTICS TECHNIQUES PROCEDURES

### Dornier 228-201

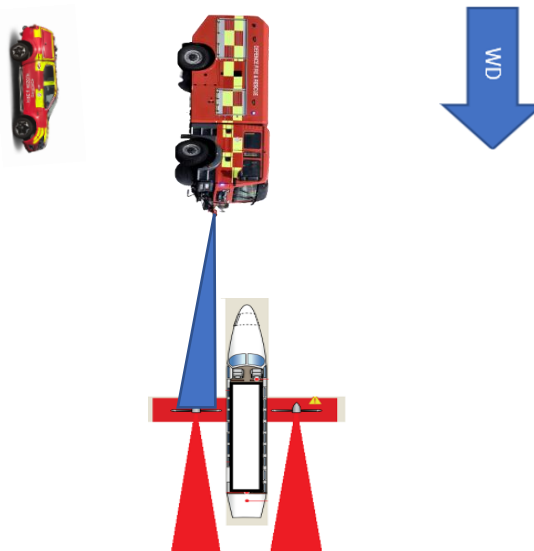
MPRV

SUV (If Resourced)

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## TTP 1 – Engine/External Fire

### Event Plan - Initial Deployment



### 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 METHANE report if required
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

### **Crash 3 - 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. Entry to be made via Main Cargo door as Pilot door is small and close to L/H side Propellor.
- Don BA and utilise Rapid Deployment procedures
- Deploy sufficient lengths of hose (45mm) and prepare for entry into aircraft
- BA team access aircraft and create survivable conditions
- 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.
- Composite materials /MMMF

### **Further Considerations:**

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

### **Supporting Information:**

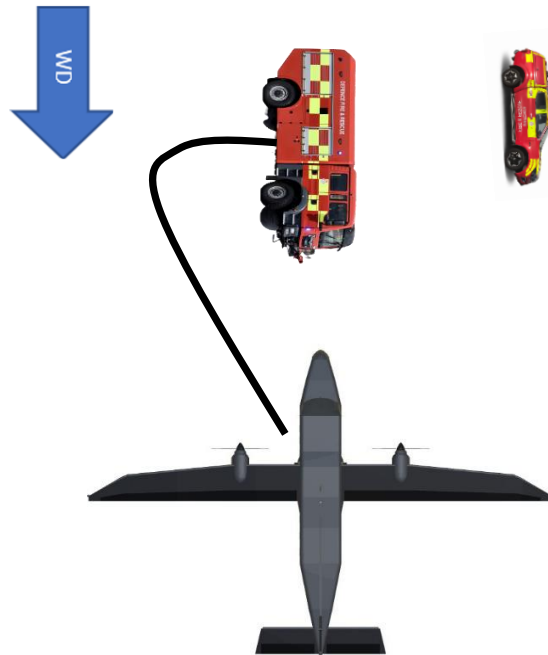
- NOG
- CFR ARFF TOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 033 – BA Operations
- CFR Op Guidance 003 – Aircraft Fuel Fires
- CFR Op Guidance 005 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – Aircraft Engine Fire
- 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 – Internal Fire

### Event Plan -



### 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 especially from the rear
- 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 3 - MPRV Actions:

- Deploy vehicle centrally to the aircraft
- Be aware of PAX exiting the aircraft, especially from the rear
- Be prepared to operate monitor
- Consider method of entry if PAX remain on board. Entry to be made via Main Cargo door as Pilot door is small and close to L/H side Propellor.
- Don BA and utilise Rapid Deployment Procedures
- Deploy 45mm hose and prepare for entry into aircraft
- BA team access aircraft and create survivable conditions
- 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
- Explosive and smoke generating material.
- Composite materials /MMMF

## **Further Considerations:**

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

## **Supporting Information:**

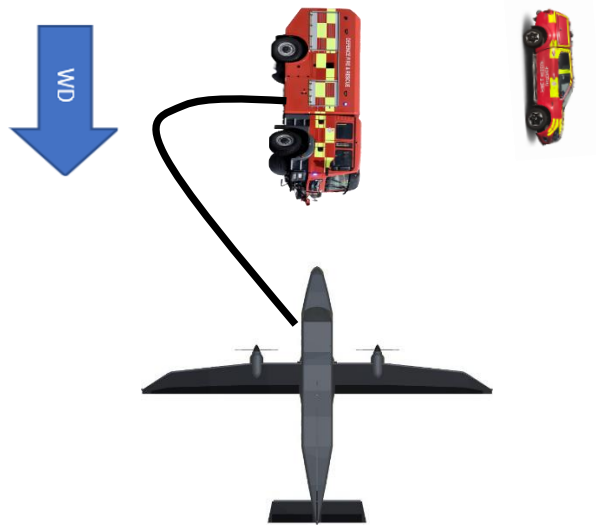
- NOG
- CFR ARFF TOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 018 – SUV positioning Deployment & Task
- 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
- MOD Aircraft Crash Hazards Document Set

## **Training:**

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

## TTP 3 – Wheel Assembly Incidents

### Event Plan - Initial Deployment



### 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 especially from the rear
- 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 3 - MPRV Actions

- Deploy vehicle centrally to the aircraft
- Be aware of PAX exiting the aircraft, especially from the rear
- Be prepared to operate monitor
- Consider method of entry if PAX remain on board. Entry to be made via Main Cargo door as Pilot door is small and close to L/H side Propellor if needs dictate.
- Don BA and utilise Rapid Deployment Procedures
- Deploy 45mm hose and Dry Powder Extinguisher. Prepare for entry into aircraft if required.
- BA team access aircraft and create survivable conditions if required.
- Confirm/make safe aircraft systems

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

- Flammable liquids
- Pressurised gases
- Explosive and smoke generating material.
- Composite materials /MMMF

### **Further Considerations:**

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

### **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 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.