



Ministry
of Defence



Defence Fire and Rescue

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
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VERSION CONTROL HISTORY

Version	Amendment	Brief Details	Amended By	Date
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Defence Fire & Rescue

AIRCRAFT TACTICS TECHNIQUES PROCEDURES

Dassault Falcon 900 LX (Military Designation - Envoy IV)

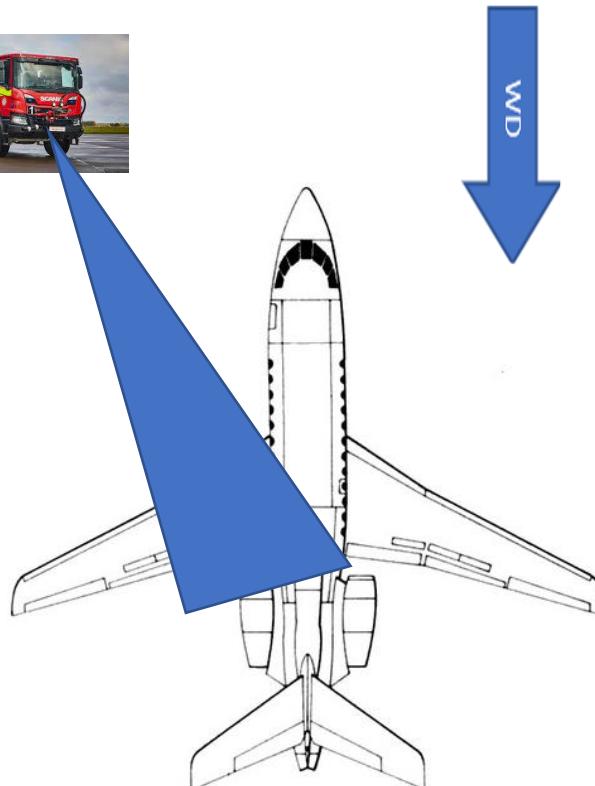
MPRV

SUV (If Resourced)

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TTP 1 - Engine Fire

Event Plan - Initial Deployment: Up Wind, Position on the affected engine, monitors to protect critical area.



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP and PEMS
- Direct firefighting actions
- Consider contacting aircraft commander via ATC or 121.6 if available
- Be aware of PAX around and exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Provide METHANE report
- 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 Initial Deployment Procedures
- Deploy sufficient lengths of hose (45mm) and prepare for entry into aircraft
- BA team access aircraft and create survivable conditions
- Consider use of TIC
- 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
- DFR BA Operations
- 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 Op Guidance 001 – Aircraft Incidents
- CFR Op Guidance 003 – Aircraft Fuel Fires
- CFR Op Guidance 005 – Incidents Involving Small Aircraft
- CFR Op Guidance 006 – Aircraft Internal Fires
- CFR Op Guidance 007 – Aircraft Engine Fire

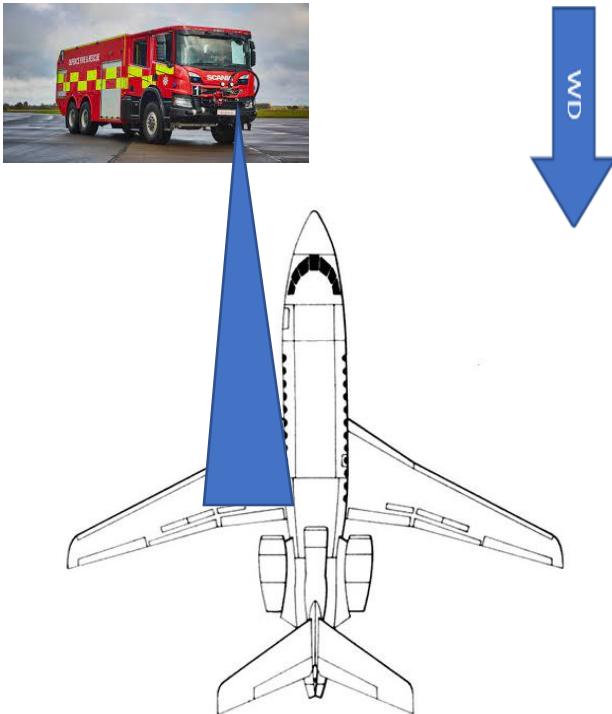
- CFR Op Guidance 008 – Aircraft Undercarriage Incidents
- MOD Aircraft Crash Hazards Document Set
- NATO STANAG/TO 00-105E-9-Chapter 13 (revision 16).

Training:

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

TTP2 - Wheel Assembly Incidents

Event Plan - Initial Deployment: Up Wind, Position on the affected area, monitors to protect critical area.



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Formulate tactics dependent if fire is present and where escalation is likely
- 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
- 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
- Consider discharge from Monitor
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment Procedures
- Deploy sufficient lengths of hose (45mm)
- Make access to aircraft and confirm survivable conditions
- Consider use of TIC
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

- Select Firefighting media dependent if fire is present and to what extent
- Consider use of secondary agent
- Carry out check of area affected by fire (if present) to confirm area is safe
- Cool if required
- Provide scene safety.

Specific Aircraft Hazards (Make use of the 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:
 - Is the wheel assembly on fire?
 - Is the fire confined to one area or is escalation likely?

Supporting Information:

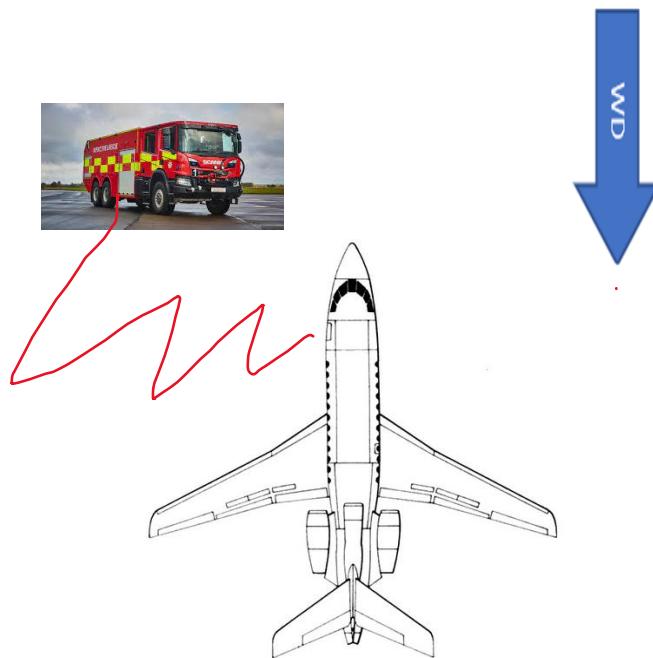
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- CFR Op Guidance 005 – Incidents Involving Small Aircraft
- CFR Op Guidance 006 – Aircraft Internal Fires
- CFR Op Guidance 007 – Aircraft Engine Fire
- CFR Op Guidance 008 – Aircraft Undercarriage Incidents
- MOD Aircraft Crash Hazards Document Set
- 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 3 – Internal Fire

Event Plan - Initial Deployment: Up Wind, Position Port side for Rescue 45mm hose for entry.



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP and PEMS
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Consider contacting aircraft commander via ATC or 121.6 if available
- Direct rescue crew
- Direct all operational control and implement ICS
- Provide METHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Water consolidation/replenishment.

Crash 1 - MPRV Actions

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Consider method of entry if PAX remain on board
- Don BA and utilise Initial Deployment Procedures
- Deploy sufficient lengths of hose (45mm)
- Make access to aircraft and create survivable conditions by extinguishing fire & ventilating
- Consider use of TIC
- Remove any casualties from immediate danger
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.
- Provide scene safety.

Specific Aircraft Hazards (Make use of the AQRC):

- Flammable liquids
- Pressurised gases.

Further Considerations:

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

Supporting Information:

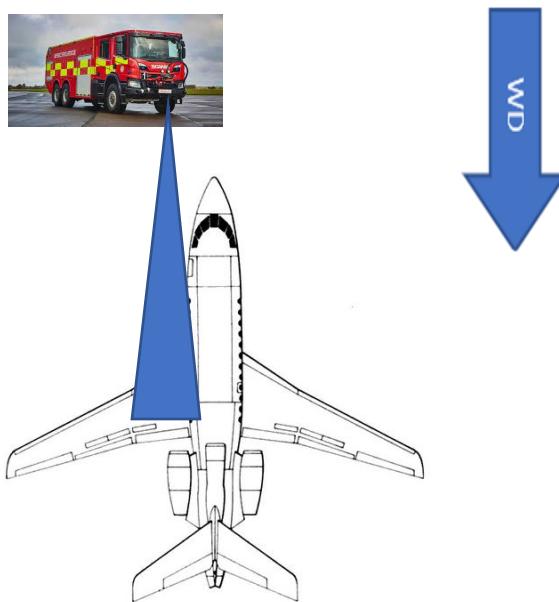
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- CFR Op Guidance 006 – Aircraft Internal Fires
- CFR Op Guidance 007 – Aircraft Engine Fire
- CFR Op Guidance 008 – Aircraft Undercarriage Incidents
- CFR Op Guidance 009 – Incidents Involving Cargo - Large Aircraft
- MOD Aircraft Crash Hazards Document Set
- NATO STANAG/TO 00-105E-9-Chapter 13 (revision 16)
- BAE DOR/146/405.

Training:

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

TTP 4 - External Fire

Event Plan - Initial Deployment: Up Wind, Position on the affected area, monitors to protect critical area.



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- If external fire use the MPRV monitor
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Consider contacting aircraft commander via ATC or 121.6 if available
- Direct rescue crew
- Direct all operational control and implement ICS
- Provide METHANE report
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Water consolidation/replenishment.

Crash 1 - MPRV Actions:

- Deploy vehicle to fire side of aircraft
- Consider use of monitor
- Be aware of PAX exiting the aircraft
- Consider method of entry if PAX remain on board
- Don BA and utilise Initial Deployment procedures (If required)
- Deploy sufficient lengths of hose (45mm)
- Make access to aircraft crew and confirm survivable conditions (If required)
- Consider use of TIC,
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.
- Carry out check of area affected by fire to confirm area is safe
- Cool if required
- Provide scene safety.

Specific Aircraft Hazards (Make use of the AQRC):

- Flammable liquids
- Pressurised gases.

Further Considerations:

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

Supporting Information:

- NOG
- DFR BA Operations
- CFR ARFF TOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
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- CFR Op Guidance 008 – Aircraft Undercarriage Incidents
- CFR Op Guidance 009 – Incidents Involving Cargo - Large Aircraft
- 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.