



Ministry of Defence



Defence Fire and Rescue Tactics Techniques Procedure

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Stakeholders:	DFR HQ ✓ Capita Fire and Rescue ✓ RAF Fire Service ✓ RN Aircraft Handler ² ✓ DFRS LEC ✓ Other FRS Providers ³ DFRS (DFSR, DIO, RN) ⁴ ✓ DFRS (USVF)
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¹ On initial release a publication will be reviewed at the 12-month point, following which reviews will be 5 yearly or where changes in circumstances warrant a review.

² RN (AH) stakeholders are the Operational Responders based at the Culdrose, Predannack, Yeovilton and Merryfield aerodromes.

³ Other FRS Providers include Babcock and Mitie Fire Services.

⁴ For the purposes of this standard, DFRS Fire Officers employed within DFSR & DIO, are included for information purposes only.

VERSION CONTROL HISTORY



AIRCRAFT TACTICS TECHNIQUES PROCEDURES

A25

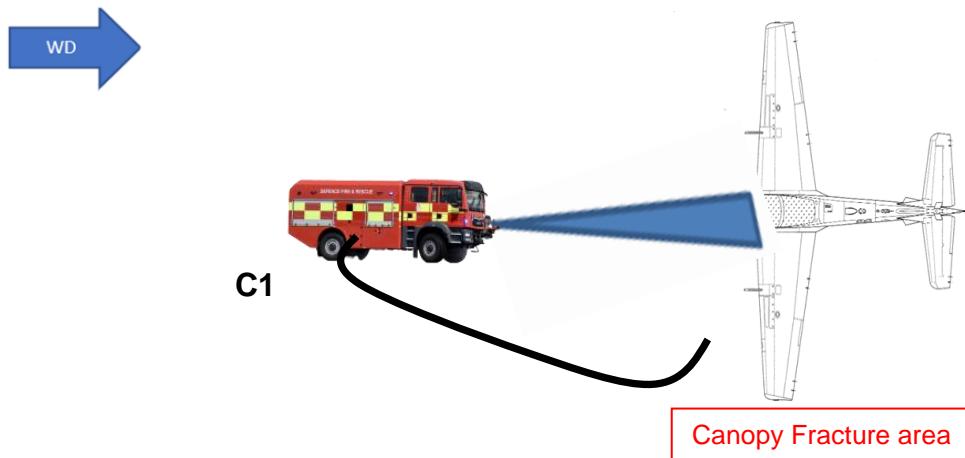
Texan T-6C

1 MPRV

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TTP 1 - Engine Fire

Event Plan - Initial Deployment



Incident Commander Considerations:

- On arrival complete DRA of incident
- Formulate tactics dependent if fire is present and where escalation is likely
- Declare Tactical Mode to ATC.
- Consider required agencies
- Consider M/ETHANE as not all external fire incidents may be a Major Incident
- Consider implementing Station Disaster Plan through ATC
- Consider contacting aircraft commander via ATC.
- Direct firefighting actions
- Direct rescue crew operations
- Direct all operational control and implement ICS
- Provide M/ETHANE report to ATC ASAP
- Maintain safe operations and ensure scene safety
- Request Local Authority Ambulance attendance through ATC or direct by mobile.
- Request & Direct other agencies as required (Medic, Doctor, Enviro, Armourer, POL response)

team, A/C Recovery) (**Will be stood up once Station Disaster Plan has been implemented**)

- Consider water consolidation/replenishment

Crash 1 - MPRV Actions:

- Deploy MPRV vehicle to dominant engine firefighting position on cockpit access side
- Consider further media application
- Operate main monitors and extinguish fire with mass discharge
- Cool A/C if required.
- Carry out check of area affected by fire to confirm area is safe
- Don BA under Rapid Deployment Procedures.
- Deploy covering 45mm jet
- Consider method of entry if pilot remains in cockpit
- Make safe aircraft systems
- Assist with medical/trauma response
- Provide scene safety, commence triage, establish casualties handling station.

Specific Aircraft Hazards - (Make use of AQRC):

- Liquids
- Pressurised Gases
- Solids
- Explosive Material / A/C weapons
- MMMFs
- High Pressure Hydraulics.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Other agencies

Scenario	Task	Minimum PPE	PPE
Aircraft crash – fire Post fire – debris Fuming off temp over 150°C	Firefighting and rescue	Full fire kit – BA Subject to RA	
Aircraft crash – no fire Structural damage only	Rescue	Full fire kit – dust mask Subject to RA	
Post fire – debris Cooling off/cold below 150°C	Rescue	Full fire kit – dust mask Subject to RA	
Post incident – preservation of scene	Application of fine water spray Assisting AAIB/MOD crash response team	Full fire kit – dust mask Subject to RA	

Post Incident Actions

- Ensure hot debrief is carried out involving all relevant agencies
- On occasions when firefighters have been subjected to the type of traumatic conditions likely to be experienced at an aircraft incident in which loss of life has occurred a variety of personal feelings and conditions may arise, including Post Traumatic Stress Disorder
- A formal debrief and feedback session should be conducted post incident, identify training needs and good practice. Shared learning identified should be disseminated via HQ staff.

Training:

- Aircraft familiarization - Sqn SME
- Deployment exercise(s)
- Aircraft lecture - 6 monthly lesson / familiarisation presentation
- Redkite / CMS training

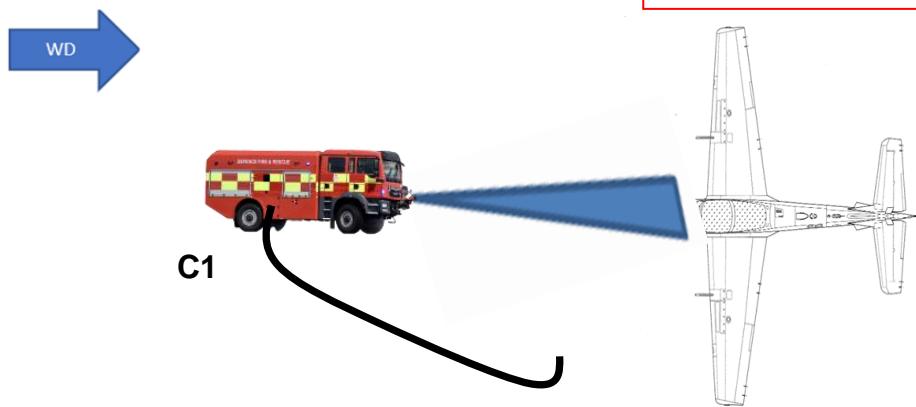
Supporting Information

- DFR-Ops Guidance 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 001 - Aircraft Incidents
- Op Guidance 003 - Aircraft Fuel Fires
- Op Guidance 004 - Military Fast Jets
- Op Guidance 006 - Aircraft Internal Fires
- Op Guidance 007 - Aircraft Engine Fire
- Op Guidance 008 - Aircraft Undercarriage Incidents
- MOD Aircraft Crash Hazards Document Set
- NATO STANAG/TO 00-105E-9 - (Revision 16)
- AQRC A25

TTP 2 - Wheel Assembly Incidents

Event Plan - Initial Deployment



Incident Commander Considerations:

- On arrival complete DRA of incident
- Formulate tactics dependent if fire is present and where escalation is likely
- Declare Tactical Mode to ATC.
- Consider required agencies
- Consider M/ETHANE as not all external fire incidents may be a Major Incident
- Consider implementing Station Disaster Plan through ATC
- Consider contacting aircraft commander via ATC
- Direct firefighting actions
- Direct rescue crew operations
- Direct all operational control and implement ICS
- Provide M/ETHANE report to ATC ASAP

- Maintain safe operations and ensure scene safety
- Request Local Authority Ambulance attendance through ATC or direct by mobile.
- Request & Direct other agencies (Medic, Doctor, Enviro, Armourer, POL response team, A/C Recovery)
- Consider water consolidation/replenishment

Crash 1 - MPRV Actions

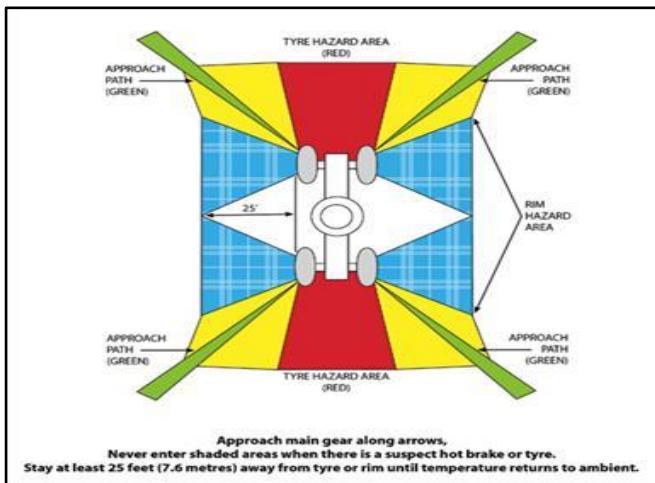
- Deploy MPRV vehicle to dominant engine firefighting position on cockpit access side
- Consider further media application
- Operate main monitors and extinguish fire with mass discharge
- Cool A/C if required.
- Carry out check of area affected by fire to confirm area is safe
- Don BA under Rapid Deployment Procedures.
- Deploy covering 45mm jet
- Consider method of entry if pilot remains in cockpit
- Make safe aircraft systems and weapons
- Assist with medical/trauma response
- Provide scene safety, commence triage, establish casualties handling station.

Specific Aircraft Hazards/Procedures:

- Liquids
- Pressurised Gases
- Solids
- Explosive Material / A/C weapons
- MMMFs.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Other agencies
- Crash crew as First Aid Medical cover
- 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?



Generic Undercarriage Hazard Areas

Training:

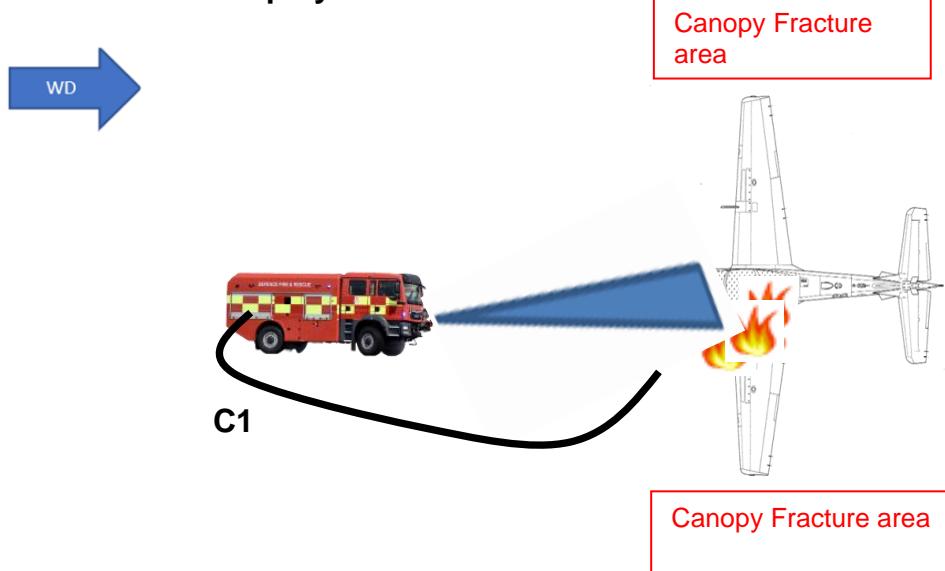
- Aircraft familiarization - Sqn SME
- Aircraft lecture - 6 monthly lesson / familiarisation presentation
- Redkite / CMS training

Supporting Information

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TTP 3 - External fire Incidents

Event Plan - Initial Deployment



Incident Commander Considerations:

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- Consider contacting aircraft commander via ATC

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- Consider water consolidation/replenishment.

Crash 1 - MPRV Actions:

- Deploy MPRV vehicle to dominant firefighting position on cockpit access side
- Consider further media application
- Operate main monitors and extinguish fire with mass discharge
- Cool A/C if required.
- Carry out check of area affected by fire to confirm area is safe
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- Consider method of entry if pilot remains in cockpit
- Make safe aircraft systems
- Assist with medical/trauma response
- Provide scene safety, commence triage, establish casualties handling station.

Specific Aircraft Hazards/Procedures:

- Liquids
- Pressurised Gases
- Solids
- Explosive Material / A/C weapons
- MMMFs.

Further Considerations:

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

	Scenario	Task	Minimum PPE	PPE
	Aircraft crash – fire Post fire – debris Fuming off temp over 150°C	Firefighting and rescue	Full fire kit – BA Subject to RA	
	Aircraft crash – no fire Structural damage only	Rescue	Full fire kit – dust mask Subject to RA	
	Post fire – debris Cooling off/cold below 150°C	Rescue	Full fire kit – dust mask Subject to RA	
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