

TACTICS TECHNIQUES & PROCEDURES

Document No: **ATTP A01**

Date Issued: **07 April 2022**

Airframe: **ATTP - A400M Atlas - TAC-Fire only**

Supersedes: **N/A**

Applies to: **TG 7**

Stakeholders: CFR HQ
DFR
DFSR

Review Date **April 2023**

Sponsor **Alex Clark**
Details: **Chief Fire Officer**
Capita Fire & Rescue (CFR) HQ
Reading Bridge House
1st Floor
George Street
Reading
RG1 8PJ

CONDITIONS OF RELEASE

This document and the information contained within, is the exclusive property of Capita FR. No part of this document may be reproduced, disclosed, or used for any purpose other than that for which it was issued. This document may not be altered or amended in any way by unauthorised person(s). Any amendments or alterations made to this document will be disseminated appropriately to the distribution list, which will include effective dates and required inserts. Correspondence regarding or with reference to this should be addressed to philip.McGuinness@capita.com



Capita

Capita Fire & Rescue

AIRCRAFT TACTICS TECHNIQUES PROCEDURES (Tac Fire)

A400M Atlas Note: This TTP applies to the operation of the A400M Atlas by Tac Fire only.

MPRV 6x6 (Crash1)

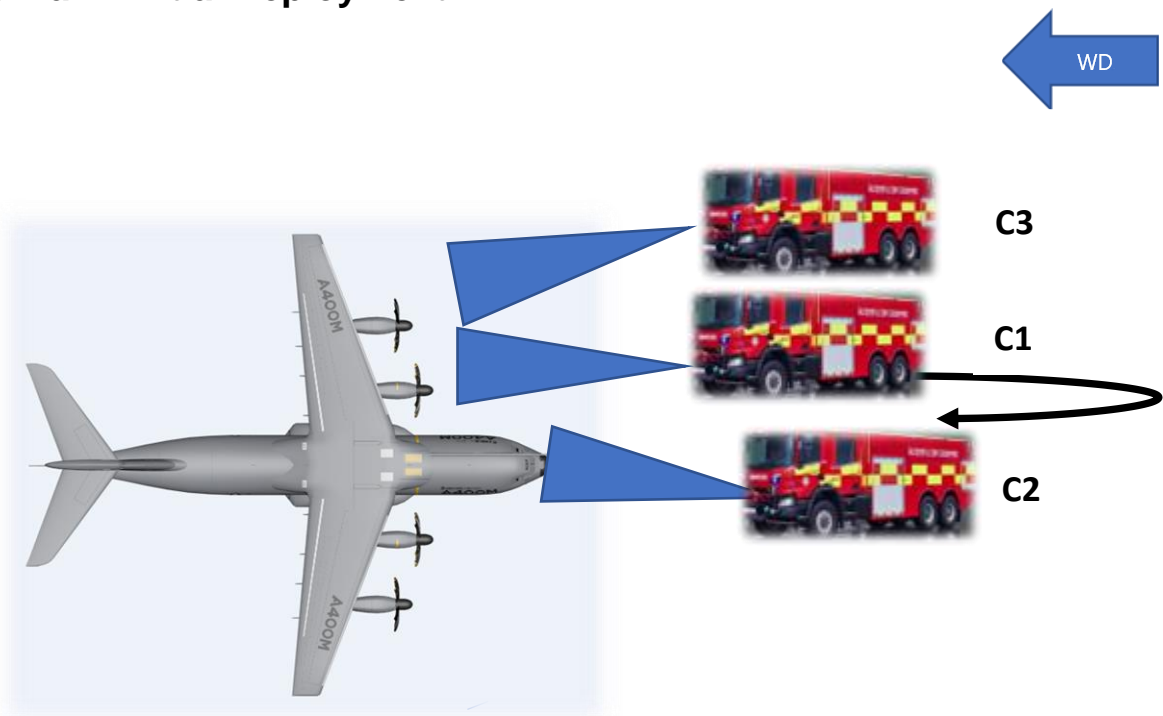
MPRV 6x6 (Crash 2)

MPRV 6x6 (Crash 3)

TTP 1 - Engine Fire	Page 2
TTP 2 – Wheel Assembly Incidents	Page 6
TTP 3 – Internal Fire	Page 9
TTP 4 – External Fire	Page 12
Document Control	Page 14

TTP 1 – Engine Fire

Event Plan - Initial Deployment:





Incident Commander Considerations:

- Confirm location and consider viable route
- Conduct and complete DRA
- Declare Tactical Mode
- Direct firefighting and rescue actions
- Be aware of PAX exiting aircraft
- Confirm TLZ emergency response have been initiated via TAC ATC
- Provide M/ETHANE report
- Appropriate offsite agencies requested
- Consider water consolidation/replenishment
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

Crash 1 - MPRV 6X6 Actions:

- Deploy vehicle to fireside side of aircraft, prepare to move to non-fire side if rescue task required
- Be aware of PAX exiting the aircraft
- Consider media type e.g. foam/DP dual application
- Don BA and utilize Rapid Deployment Procedures/ Stage 1 as required
- Consider method of entry if PAX remain on board
- Deploy 45mm hose for internal/external firefighting and prepare for entry into aircraft
- If no rescue task required commence cooling effected area
- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems and affect rescue
- Consider further media application
- Deliver casualties to casualty handling area for strip medic to triage and assist with treatment when able.

CRASH 2 - MPRV 6X6 Actions

- Deploy vehicle to the nose of the aircraft if conditions allow
- WM commences DRA
- Establish BA entry control procedures
- Provision of firefighting equipment e.g. lighting, ladders, covering lines
- After fire extinguished cool area affected by fire as required
- Consider further media application
- Provide scene safety
- WM instigate ICS and sectorize incident as required
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

CRASH 3 - MPRV 6X6 Actions

- Deploy vehicle to fire side of aircraft
- Be aware of PAX exiting the aircraft
- Operate monitor and extinguish fire utilising mass discharge
- Don BA and utilize Rapid Deployment Procedures/ Stage 1 BA Entry Control as required
- Consider method of entry if PAX remain on board
- Deploy 45mm hose for internal/external firefighting and prepare for entry into aircraft



- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems
- Deliver casualties to casualty handling area for strip medic to triage.

Specific Aircraft Hazards - (Make use of AQRC):

- Flammable/pressurised liquids
- Pressurised gases
- Radar systems and high electromagnetic radiation
- Radioactive material
- Polymer composites
- Propellers
- LOX.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- Environmental conditions
- Rural fires e.g. woodland
- Tidal
- Water supplies
- Lighting
- Access
- CES
- Members of the public
- Austere topography
- Cargo bay potentially full of vehicles/equipment in transit within A/C.

Supporting Information:

- NOG
- 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 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Op Guidance 009 – 2020 – Incidents Involving Large Aircraft
- MOD Aircraft Crash Hazards Document Set
- AQRC A1
- DSA 1000m assessment
- DSA Water assessments
- DSA Response assessments
- TAC AT Fire recce reports
- TLZ response procedures.

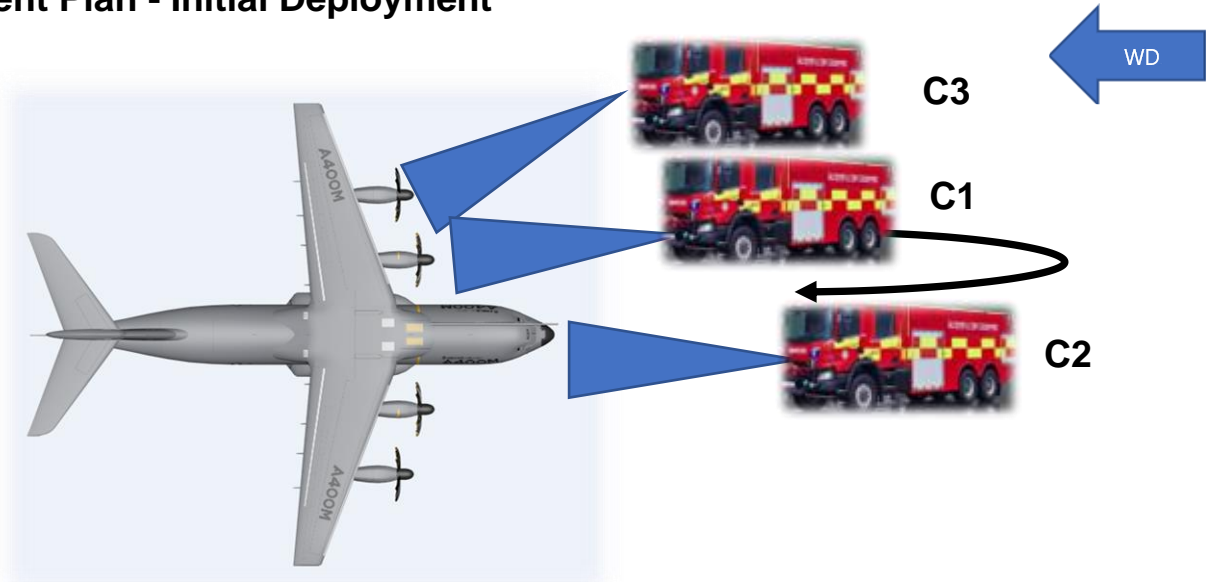


Training:

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

TTP 2 – Wheel Assembly Incidents

Event Plan - Initial Deployment



Incident Commander Considerations:

- Confirm location and consider viable route
- Conduct and complete DRA
- Declare Tactical Mode
- Direct firefighting and rescue actions
- Be aware of PAX exiting aircraft
- Consider contacting aircraft commander via TAC ATC
- Confirm TLZ emergency response have been initiated via TAC ATC
- Provide M/ETHANE report
- Appropriate offsite agencies requested
- Consider water consolidation/replenishment
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS

Crash 1 - MPRV 6X6 Actions:

- Deploy vehicle to rescue side of aircraft within safe zone
- Be aware of PAX exiting the aircraft
- Be prepared to operate the monitor
- Consider method of entry if PAX remain on board
- If no rescue task required commence cooling effected area
- Don BA and utilise Rapid Deployment Procedures
- Deploy 45mm hose line
- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems
- Deliver casualties to casualty handling area for strip medic to triage.



CRASH 2MPRV 6X6 Actions:

- Deploy vehicle to oleo effected side in safe zone
- Select appropriate media and extinguish fire utilising mass discharge
- WM commences DRA
- Establish BA entry control procedures.
- Provision of firefighting equipment
- Cool area affected by fire if required
- Consider further media application
- Provide scene safety
- WM instigate ICS and sectorise incident as required
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

CRASH 3 - MPRV 6X6 Actions:

- Deploy vehicle to oleo effected side within the safety zone
 - Be aware of PAX exiting the aircraft
 - Select appropriate media and extinguish fire utilising mass discharge
 - Once external fire is extinguished redeploy vehicle to rear of the aircraft within safety zone
 - Don BA and utilize Rapid Deployment Procedures/ stage 1 as required
 - Consider method of entry if PAX remain on board
 - Deploy 45mm hose
 - Make access to aircraft and confirm survivable conditions
 - 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/pressurised liquids
- Pressurised gases
- Radar systems and high electromagnetic radiation
- Radioactive material
- Polymer composites.
- Propellers
- Lox.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- Passengers
- Other agencies
- Environmental conditions
- Rural fires e.g. woodland
- Tidal
- Water supplies
- Lighting
- Access



- CES
- Members of the public
- Austere topography
- Cargo bay potentially full of vehicles/*equipment in transit within A/C.*

Supporting Information:

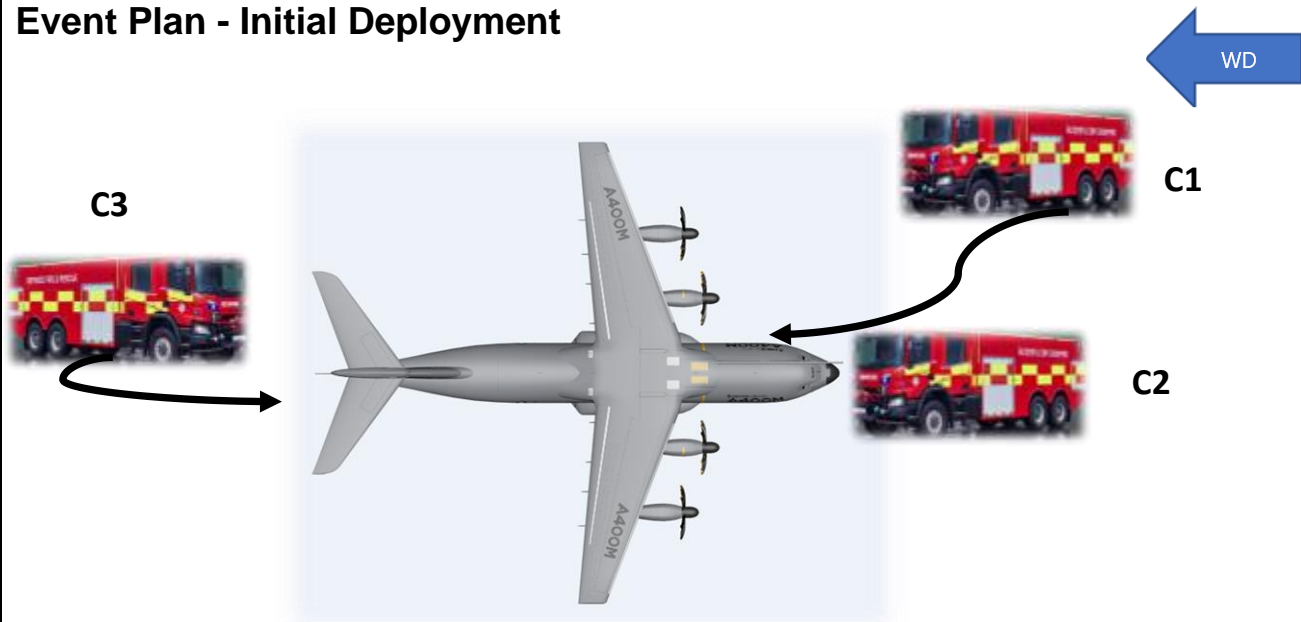
- NOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 033 – BA Operations
- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Op Guidance 009 – 2020 – Incidents Involving Large Aircraft
- MOD Aircraft Crash Hazards Document Set
- AQRC A1
- DSA 1000m assessment
- DSA Water assessments
- DSA Response assessments
- TAC AT Fire recce reports
- TLZ response procedures.

Training:

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

TTP 3 – Internal Fire

Event Plan - Initial Deployment



Incident Commander Considerations

- Confirm location and consider viable route
- Conduct and complete DRA
- Declare Tactical Mode
- Direct firefighting and rescue actions
- Be aware of PAX exiting aircraft
- Confirm TLZ emergency response have been initiated via TAC ATC
- Provide M/ETHANE report
- Appropriate offsite agencies requested
- Consider water consolidation/replenishment
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

Crash 1 - MPRV 6X6 Actions

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Don BA and utilize Rapid Deployment Procedures/ stage 1 as required
- Consider method of entry if PAX remain on board
- If no rescue task required commence cooling effected area
- Deploy 45mm hose and secondary agent, and prepare for entry into aircraft
- BA team enter aircraft locate and extinguish fire, create survivable conditions
- Confirm/make safe aircraft systems
- Deliver casualties to casualty handling area for strip medic to triage.



CRASH 2- MPRV 6X6 Actions:

- Deploy vehicle to nose the aircraft
- WM commences DRA
- Establish BA entry control procedures.
- Provision of firefighting equipment
- Cool area affected by fire if required
- Provide scene safety
- WM instigate ICS and sectorise incident as required
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

CRASH 3 - MPRV 6X6 Actions:

- Deploy vehicle to rear of the aircraft
- Be aware of PAX exiting the aircraft
- Don BA and utilize Rapid Deployment Procedures/ stage 1 as required
- Consider method of entry if PAX remain on board
- Deploy 45mm hose, and secondary agent ensuring internal fire is extinguished.
- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems
- Deliver casualties to casualty handling area for strip medic to triage.

Specific Aircraft Hazards/Procedures:

- Flammable/pressurised liquids
- Pressurised gases
- Radar systems and high electromagnetic radiation
- Explosive material
- Radioactive material
- Polymer composites.
- Propellers
- Lox.

Further Considerations:

- Aircraft position and wreckage
- Leaking fuel
- APU
- Passengers
- Other agencies
- Internal lighting
- Ventilation
- Environmental conditions
- fuselage collapse
- confined space
- Tidal
- Water supplies
- CES
- Access
- Austere topography
- Members of the public
- Ventilation.



Supporting Information:

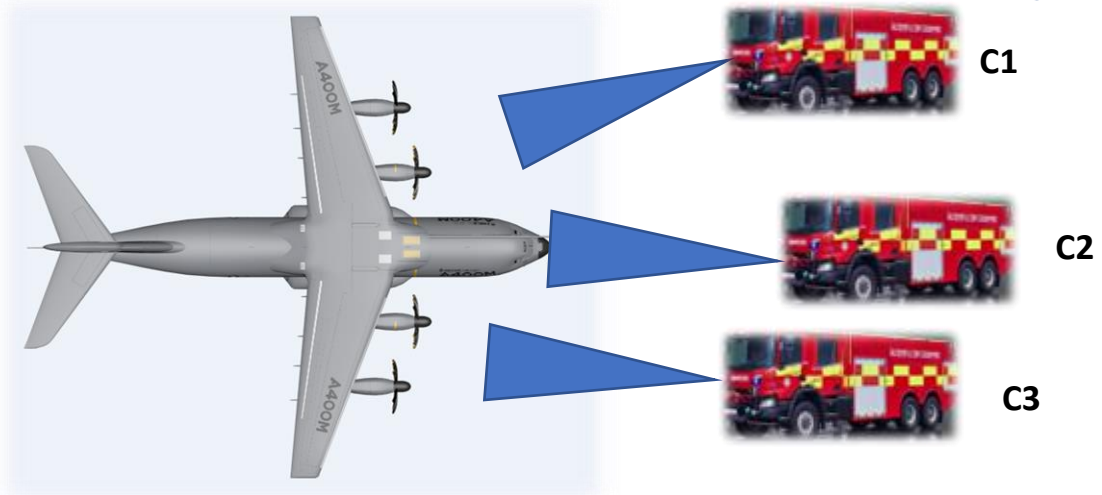
- NOG
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Manoeuvring
- CFR Ops Instruction 006 – MPRV ARFF Positioning Deployment & Task
- CFR Ops Instruction 007 – MPRV Vehicle Operations
- CFR Ops Instruction 033 – BA Operations
- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Op Guidance 009 – 2020 – Incidents Involving Large Aircraft
- MOD Aircraft Crash Hazards Document Set
- AQRC A1
- DSA 1000m assessment
- DSA Water assessments
- DSA Response assessments
- TAC AT Fire recce reports
- TLZ response procedures.

Training:

- Aircraft familiarisation – Sqn engineers
- Deployment exercise(s)
- Aircraft lecture – 6 monthly lesson / familiarization presentation
- Lift out/Aircrew rescue training
- Redkite CMS.

TTP 4 – External Fire

Event Plan – Initial Deployment



Incident Commander Considerations:

- Confirm location and consider viable route
- Conduct and complete DRA
- Declare Tactical Mode
- Direct firefighting and rescue actions
- Be aware of PAX on aircraft or possibly exiting aircraft
- Consider contacting aircraft commander via TAC ATC
- Confirm TLZ emergency response have been initiated via TAC ATC
- Provide M/ETHANE report
- Appropriate offsite agencies requested
- Consider water consolidation/replenishment
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS

Crash 1 - MPRV 6X6 Actions:

- Deploy vehicle to rescue side of aircraft
- Be aware of PAX exiting the aircraft
- Be prepared to operate the monitor
- Consider method of entry if PAX remain on board
- Don BA and utilise Rapid Deployment Procedures if required
- If no rescue task required commence cooling effected area
- Deploy 45mm hose line, ensuring external fire is extinguished.
- Make access to aircraft and confirm survivable conditions
- Utilise medics to triage casualties on board if survivable conditions are present
- Aid medics in extricating casualties.



CRASH 2 - MPRV 6X6 Actions

- Deploy vehicle central to the aircraft
- Select appropriate media and extinguish fire utilising mass discharge
- WM commences DRA
- Establish BA entry control procedures if required
- Provision of firefighting equipment
- Cool area affected by fire if required
- Consider further media application
- Provide scene safety
- WM instigate ICS and sectorize incident as required
- At appropriate time IC relocates to ICP
- Direct all operational control and implement ICS.

CRASH 3 - MPRV 6X6 Actions

- Deploy vehicle to non-rescue fire side of aircraft
- Be aware of PAX exiting the aircraft
- Operate monitor and extinguish fire utilising mass discharge
- Don BA and utilise Rapid Deployment Procedures/ stage 1 as required
- Consider method of entry if PAX remain on board
- Deploy 45mm hose, ensuring external fire is extinguished.
- BA team access aircraft and create survivable conditions
- Confirm/make safe aircraft systems
- Deliver casualties to casualty handling area for strip medic to triage .

Specific Aircraft Hazards/Procedures:

- Flammable/pressurised liquids
- Pressurised gases
- Radar systems and high electromagnetic radiation
- Explosive material
- Radioactive material
- Polymer composites
- Propellers.

Further Considerations:

- Leaking fuel
- APU
- Passengers
- Other agencies
- Internal lighting
- Ventilation
- Environmental conditions.
- fuselage collapse
- confined space
- Tidal
- Water supplies
- CES
- Access
- Austere topography
- Members of the public.



Supporting Information:

- NOG
- 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 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Op Guidance 009 – 2020 – Incidents Involving Large Aircraft
- MOD Aircraft Crash Hazards Document Set
- AQRC A1
- DSA 1000m assessment
- DSA Water assessments
- DSA Response assessments
- TAC AT Fire recce reports
- TLZ response procedures.

Training:

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

Document Control

Version	Date	Author	Role/Name	Status	Changes
1	17 Jun 2021	A Patterson	Cpl	For Issue	