



TACTICS TECHNIQUES & PROCEDURES

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Airframe: ATTP - A400M Atlas - TAC-Fire only

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Applies to: TG 7

Stakeholders: CFR HQ
DFR
DFSR

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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)

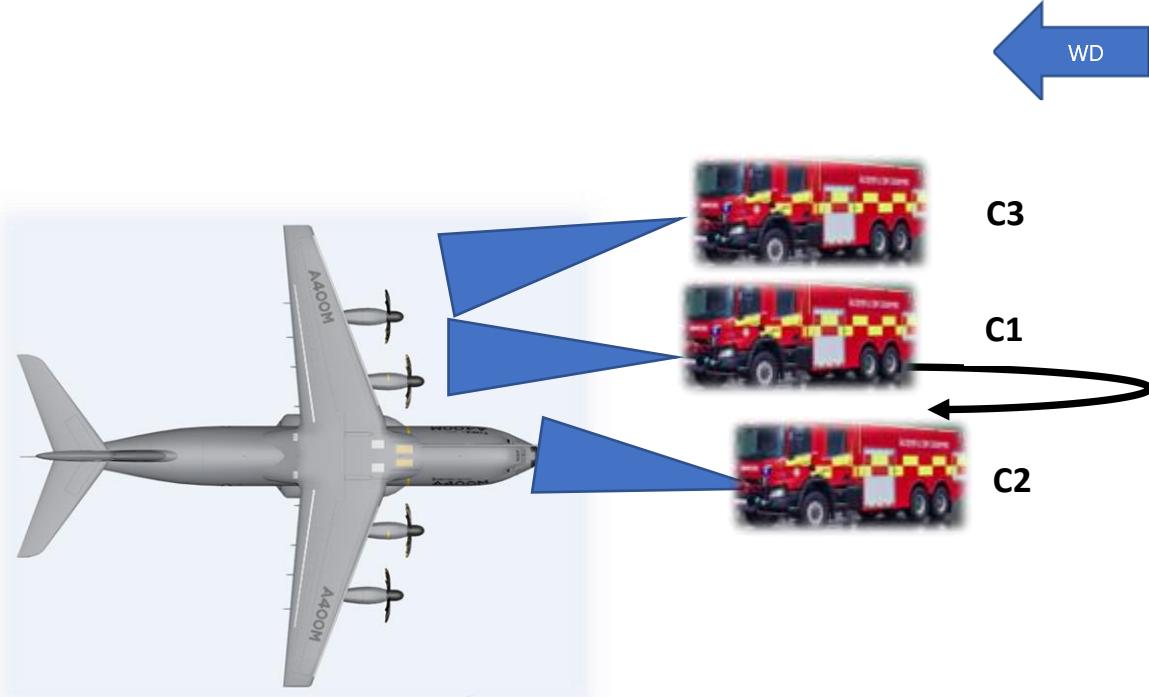
MPRV 6x6 (Crash 2)

MPRV 6x6 (Crash 3)

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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 1BA 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.



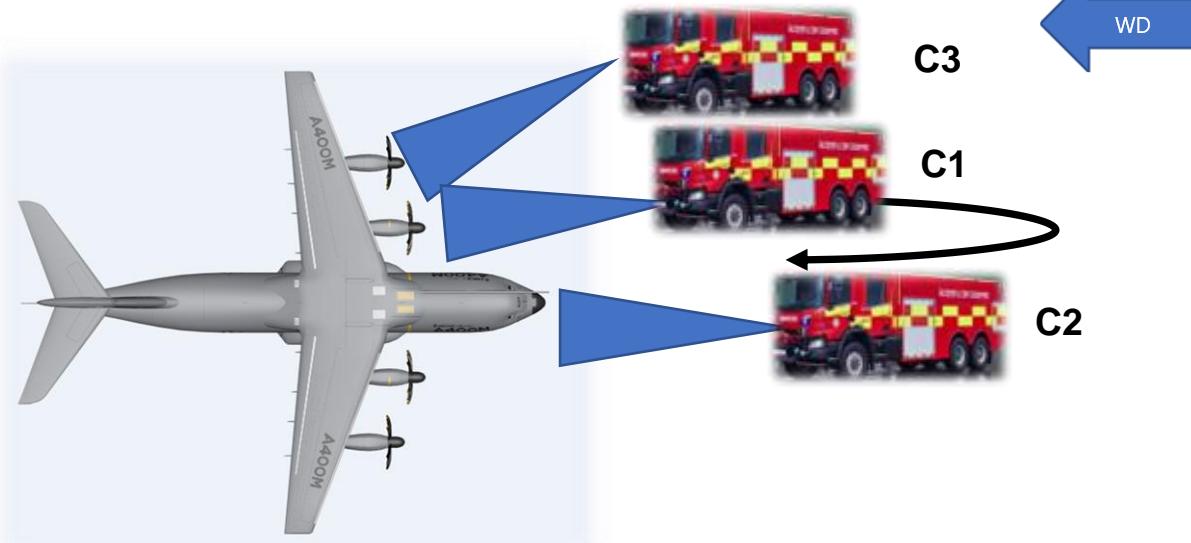
Training:

- 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.

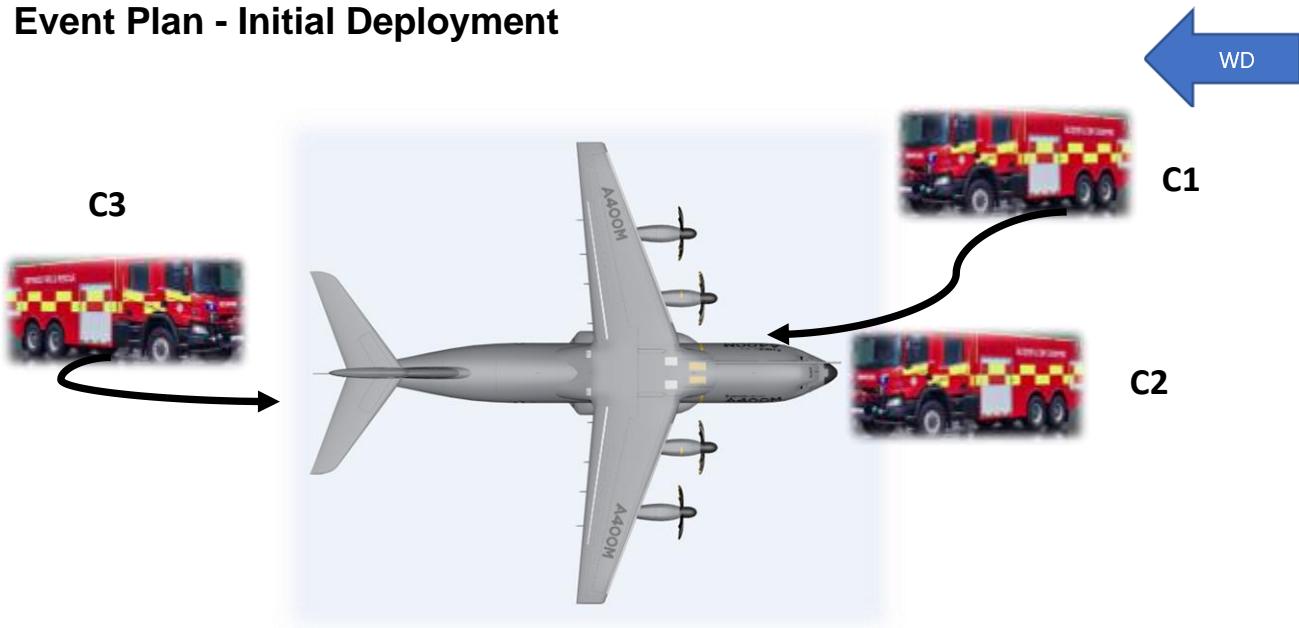
Training:

- 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.

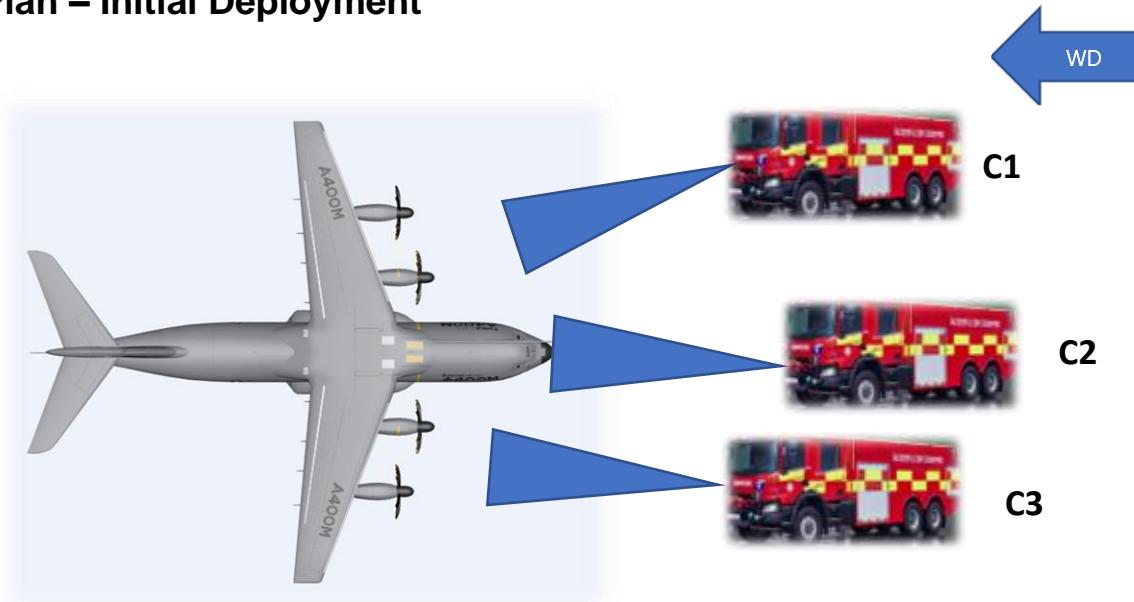
Training:

- 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
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- 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	