



TACTICS TECHNIQUES & PROCEDURES

Document No: ATTP A27 - Grob Tutor 115E

Date Issued: 18 March 2021

Title: ATTP – A27 Grob Tutor

Supersedes: N/A

Applies to: CFR
TG 7
RN (AH)
DFR

Stakeholders: CFR HQ
DFSR

Review Date March 2021

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

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AIRCRAFT TACTICS TECHNIQUES PROCEDURES

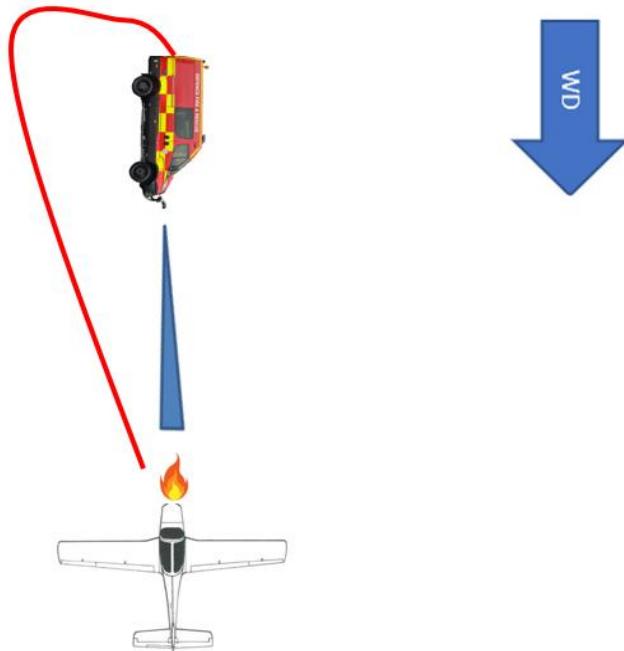
GROB 115E TUTOR: (ICAO CATEGORY 1 and 2 aerodromes only)

RRV (Crash 1) RAF Cosford – 3 ARFF personnel

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TTP 1 – Engine Fire

Event Plan - Initial Deployment:





Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

Crash 1 - RRV Actions:

- Deploy vehicle to nose of aircraft
- Be aware of PAX exiting the aircraft
- Be prepared to operate monitor if required
- Consider use of Dry Powder if required
- Consider method of entry if PAX remain on board
- Access aircraft make safe aircraft systems, and create survivable conditions if required
- Don BA, utilise Rapid Deployment Procedures/single wearer policy following IC's DRA
- Deploy 2 x 45mm lengths of hose, one line with Akron branch/dry powder for engine fire at IC's direction
- Utilise Medics to triage casualties onboard if safe and required
- Aid Medics in extricating casualties.

Specific Aircraft Hazards:

- Flammable Liquids (fuel, engine oil, hydraulic oil)
- Propeller
- Batteries
- Pressurised gases
- Flammable solids
- Explosive Material
- Carbon composites
- Dimethylformamide – strobe power packs at wing tips and cockpit floor.

Further Considerations:

- Aircraft position and access
- Leaking fuels and oils
- Evacuated passengers
- Other agencies.

Supporting Information:

- NOG
- DFR BA Operations
- CFR ARFF TOG
- CFR Op Guidance 001 – 2020 – Aircraft Incidents



- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 005 – 2020 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Maneuvering
- Ops Instruction 024 – RRV ARFF Vehicle Operations
- Ops Instruction 026 – RRV ARFF Positioning Deployment Task.

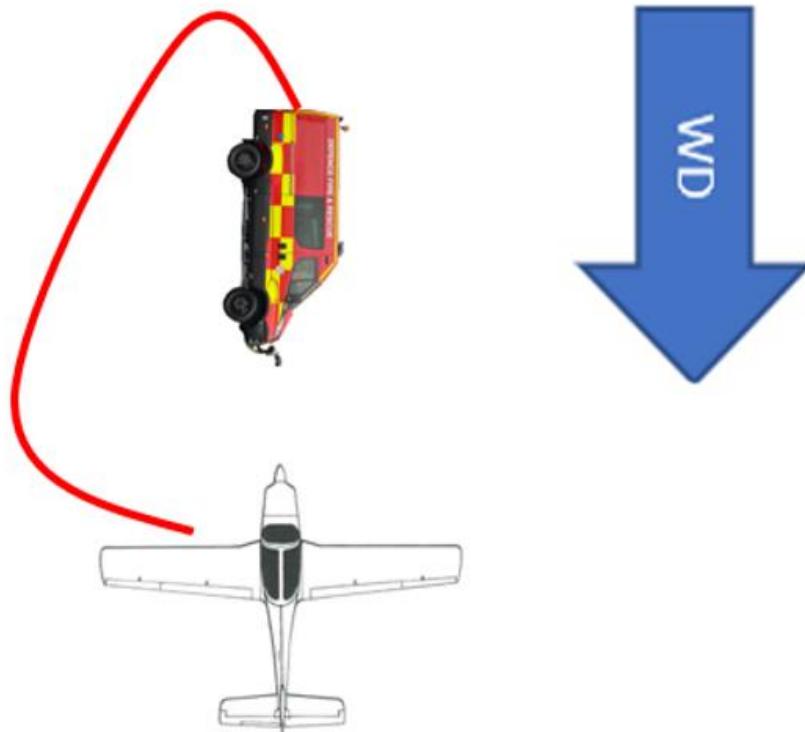
Training:

- Aircraft familiarization – Babcock Engineers
- Aircraft Engine shut down – QRC and familiarization
- Deployment exercise(s)
- Aircraft lecture – 6 monthly lesson / familiarization presentation
- Redkite CMS.



TTP 2 – Wheel Assembly Incidents (collapsed)

Event Plan - Initial deployment



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.



Crash 1 - RRV Actions:

- Deploy vehicle upwind in fire situation or to appropriate side of aircraft avoiding any debris
- Deploy 2 x 45mm hose, one line with Akron branch for covering jet if required as directed by IC
- Consider use of Dry Powder if required
- Don BA, utilise Rapid Deployment Procedures/single wearer policy following IC's DRA if required
- Gain Access to aircraft and confirm/make safe aircraft systems and create survivable conditions if required
- Aid Pax if required
- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

Specific Aircraft Hazards/Procedures:

- Flammable Liquids (fuel, engine oil, hydraulic oil)
- Propeller
- Batteries
- Pressurised gases
- Flammable solids
- Explosive Material
- Carbon composites
- Dimethylformamide – strobe power packs at wing tips and cockpit floor.

Further Considerations:

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

Supporting Information:

- NOG
- DFR BA Operations
- CFR ARFF TOG
- CFR Op Guidance 001 – 2020 – Aircraft Incidents
- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 005 – 2020 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Maneuvering
- Ops Instruction 024 – RRV ARFF Vehicle Operations
- Ops Instruction 026 – RRV ARFF Positioning Deployment Task.



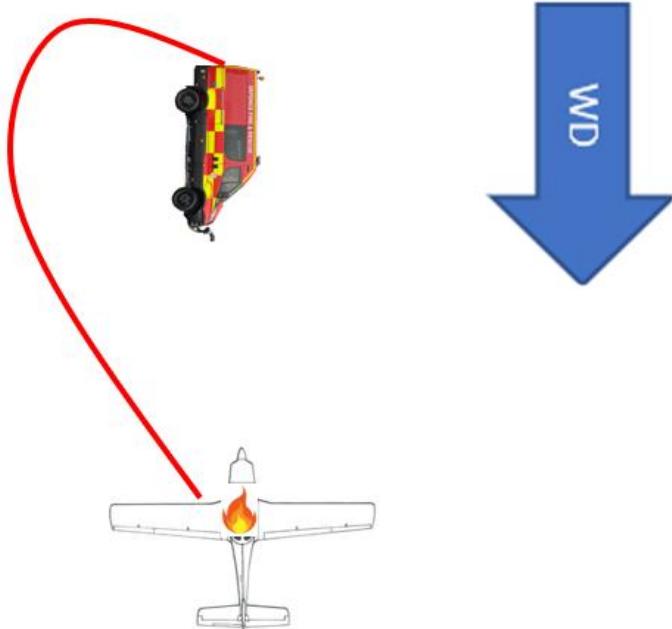
Training:

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



TTP 3 – Internal

Event Plan - Initial Deployment



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Consider required agencies
- Consider implementing MIP
- Direct firefighting actions
- Be aware of PAX exiting aircraft
- Direct rescue crew
- Direct all operational control and implement ICS
- Maintain safe operations and ensure scene safety
- Direct other agencies
- Consider water consolidation/replenishment.

Crash 1 - RRV Actions

- Deploy vehicle upwind of aircraft to avoid smoke plume
- Be aware of PAX exiting the aircraft
- Consider method of entry if PAX remain on board and create survivable conditions
- Don BA and utilise Rapid Deployment Procedures
- Deploy 2 x 45mm lengths of hose, one line with Akron branch
- Consider use of Dry Powder if required
- Make access to aircraft and create survivable conditions by extinguishing fire and



ventilating

- Remove any casualties from immediate danger
- Aid Medics in extricating casualties.

Specific Aircraft Hazards/Procedures:

- Flammable Liquids (fuel, engine oil, hydraulic oil)
- Propeller
- Batteries
- Pressurised gases
- Flammable solids
- Explosive Material
- Carbon composites
- Dimethylformamide – strobe power packs at wing tips and cockpit floor.

Further Considerations:

- Aircraft position
- Bystanders
- Leaking fuel, water course
- Passengers
- Other agencies.

Supporting Information:

- NOG
- DFR BA Operations
- CFR ARFF TOG
- CFR Op Guidance 001 – 2020 – Aircraft Incidents
- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 005 – 2020 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Maneuvering
- Ops Instruction 024 – RRV ARFF Vehicle Operations
- Ops Instruction 026 – RRV ARFF Positioning Deployment Task.

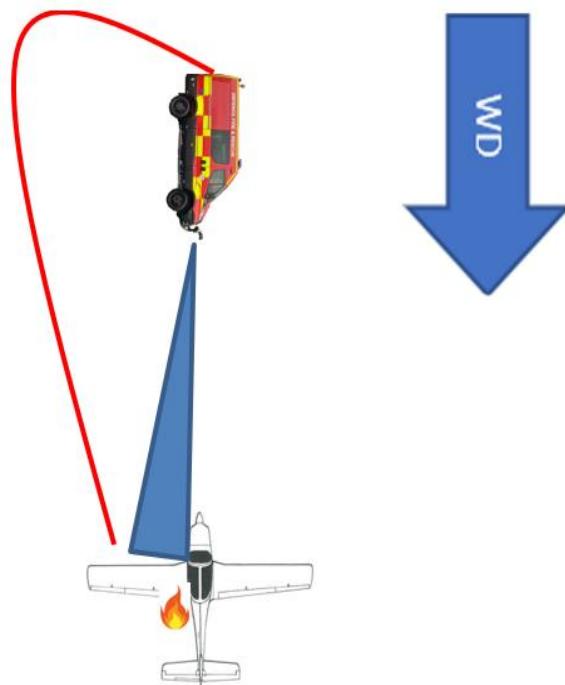
Training:

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



TTP 4 - External Fire

Event Plan – Initial Deployment



Incident Commander Considerations:

- Conduct and complete DRA
- Declare Tactical Mode
- Be aware of PAX exiting aircraft
- Formulate tactics dependent if fire is present and where escalation is likely
- If external fire only then utilise RRV Monitor
- Consider implementing the AAIRP
- Direct firefighting actions
- Direct rescue crew and maintain operational control, safe operations, and scene safety, implement ICS
- Consider water consolidation/replenishment
- Consider and direct other required agencies.

Crash 1 - RRV Actions:

- Deploy vehicle to nose of aircraft where conditions permit
- Deploy monitor to create survivable conditions and/or extinguish fire utilising mass discharge
- Be aware of PAX exiting the aircraft
- Consider method of entry if PAX remain on board
- Make access to aircraft crew and confirm survivable conditions if required
- Don BA and utilise Rapid board procedures if required
- Deploy 2 x 45mm lengths of hose, one line with Akron branch
- Consider use of Dry Powder if required



- Utilise Medics to triage casualties on board if survivable conditions are present
- Aid Medics in extricating casualties.

Specific Aircraft Hazards/Procedures:

- Flammable Liquids (fuel, engine oil, hydraulic oil)
- Propeller
- Batteries
- Pressurised gases
- Flammable solids
- Explosive Material
- Carbon composites
- Dimethylformamide – strobe power packs at wing tips and cockpit floor.

Further Considerations:

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

Supporting Information:

- NOG
- DFR BA Operations
- CFR ARFF TOG
- CFR Op Guidance 001 – 2020 – Aircraft Incidents
- CFR Op Guidance 003 – 2020 – Aircraft Fuel Fires
- CFR Op Guidance 005 – 2020 – Incidents Involving Small Aircraft
- CFR Op Guidance 007 – 2020 – Aircraft Engine Fires
- CFR Ops Instruction 001 – Aircraft Incidents
- CFR Ops Instruction 002 – CFR HSE Policy
- CFR Ops Instruction 005 – Low Speed Maneuvering
- Ops Instruction 024 – RRV ARFF Vehicle Operations
- Ops Instruction 026 – RRV ARFF Positioning Deployment Task.

Training:

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

Document Control					
Version	Date	Author	Role/Name	Status	Changes
v1	18 March 21	K Pearce	CFR Prg Mgr	Current	N/A