

**BY ORDER OF THE COMMANDER**  
**55TH WING (ACC)**



**AFI21-101\_OFFUTT AIR FORCE BASE**  
**Supplement**

**18 JULY 2023**

**Maintenance**

**AIRCRAFT AND EQUIPMENT**  
**MAINTENANCE MANAGEMENT**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This publication implements DAFI 21-101, and AFI 21-101\_ACC Supplement, and applies to the 55th Wing and geographically separated operating locations and TDY locations where 55th Wing RC/TC/WC/-135 aircraft are operating. The applicability of paragraphs within this supplement is based on location. Paragraphs that do not specify applicability are applicable to 55th Wing RC/TC/WC/-135 global operations. Paragraphs that begin with “Applicable to Offutt AFB only” are applicable to operations at Offutt AFB. Paragraphs that begin with “Applicable to OLs only” are applicable to operations at 55th Wing Operating Locations. This supplement does not apply to the 55th Electronic Combat Group (ECG) at Davis-Monthan AFB due to unique operations. The 55th ECG will publish their own supplements as required. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Policy directive 33-3 *Information Management*, Air Force Instruction 33-360, Publications and Forms Management and disposed of IAW Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). The authority to waive requirements in this publication is the 55 MXG/CC. Submit requests for waivers through your functional chain of command. Waiver requests must be submitted to the OPR (55 MXG Quality Assurance) using the AF Form 679, Air Force Publication Compliance Item Waiver Request/Approval, or via e-mail or memorandum if the form is unavailable.

## ***SUMMARY OF CHANGES***

This publication has been substantially revised and must be completely reviewed in its entirety.

1.14.2.1. **(Added)** Applicable to OLs only: OL/CCs will coordinate with host base MXG/CC or OG/CC for approval to extend shifts past 12-hour limit.

1.15.2.1.1. **(Added)** Technicians, whether operating personal or government Commercial Mobile Devices (CMD), are responsible for following Technical Data restrictions and Wing policy in regard to operation of these devices on the flightline or areas where classified information is present, being discussed, in-use, or stored.

1.15.2.1.2. **(Added)** Maintenance personnel are authorized to use personal and government CMDs for unclassified voice and text communication on the flightline and aboard aircraft; unless, classified information is present, stored on-board, being discussed, in-use, or CMD use is otherwise restricted by technical data or policy. Do not use CMDs to discuss classified information.

1.15.2.3. **(Added)** IAW Offutt AFB Installation Defense Plan (IDP), all MXG personnel are authorized to use government owned CMDs (Mobil Maintenance Devices, cell phones etc.) to take pictures of unclassified equipment on the flightline or onboard aircraft for mission related purposes, any images must stay on the BOX or government owned network. Photography using a personal CMD is restricted to individuals identified on a flightline photography letter or leadership/sections separately authorized by the IDP to take pictures as needed for mission related purposes. OL commanders will follow host installation procedures for flightline photography.

1.15.2.3.1. **(Added)** A listing of personnel assigned to positions and sections authorized by the Offutt AFB IDP to take pictures using personally owned devices will be signed by the MXG/CC and posted to the QA SharePoint.

2.4.10.1. **(Added)** Applicable to OLs only: 55 MXG Commander authorizes OL commanders to delegate approval for Technical Assistance Request System submissions to OL Maintenance Supervision and QA. OLs will include TAR information in normal daily situation reports.

2.4.14.2. **(Added)** Applicable to Offutt AFB only: 55 MXG Senior Enlisted Leader (SEL) will monitor/track assignment of senior maintenance leaders to 2nd and 3rd shifts.

2.4.44. **(Added)** 55 WG Repeat/Recur/CND (Can Not Duplicate) sign-off policy is as follows:

2.4.44.1. **(Added)** CNDs will list all troubleshooting steps taken in Corrective Action block of 781A or 244.

2.4.44.2. **(Added)** . Electronic Warfare (EW) Pilot Reported Discrepancies (PRD) requiring a software load to troubleshoot will state "Cannot Duplicate (CND) with maintenance load software."

2.4.44.3. **(Added)** First time CNDs may be signed off by a 5-skill-level technician. All repeat/recurs will be signed off only by 7-skill-level technicians or higher.

2.4.55.1. **(Added)** The 55th Wing Avionics Monitor (WAM) will develop and publish C-135 specific cyber security requirements and policy. Requirements and policies will be published on the 55th MXG QA SharePoint.

2.4.59.1. **(Added)** Applicable to Offutt AFB only: Reference the 55th Wing's Weekly Scheduling Business Rules for standard Turn Times and Flying windows, signed/updated by OG/CC and MXG/CC.

2.4.59.2. **(Added)** Applicable to OLs only: Due to unique operational scheduling requirements, sortie planning and execution at OLs will be managed by OL Operations Schedulers and Maintenance Supervision on a sortie-by-sortie basis.

3.2.11. **(Added)** Applicable to OLs only: Established OL Maintenance Supervision has operational authority over TDY/deployed Offutt maintainers while at their location. Guidance and direction to all TDY maintenance personnel will be addressed through the TDY OIC/NCOIC, as necessary.

3.2.11.1. **(Added)** Applicable to OLs only: OLs will brief TDY 55 WG personnel on applicable safety, liberty, and airfield operations as well as available support and services.

3.2.11.2. **(Added)** TDY OIC/NCOIC will notify OL Supervision if there are significant events involving 55 MXG maintenance personnel TDY at their locations to include on and off duty incidents within established reporting timelines. While attached, OL commanders will use applicable Commanders Critical Information Requirements. OL Supervision will notify the 55 MXG Maintenance Operation Center (MOC) as required.

3.2.11.3. **(Added)** Applicable to OLs only: TDY OIC/NCOIC will coordinate movement of Mobility Readiness Spare Package (MRSP) kits with OL Unit Deployment Managers (UDM) when deploying to other locations (i.e., typhoon evacuation if missions will be flown during the period).

3.6.13. **(Added)** Applicable to Offutt AFB only: coordinate with POL to ensure Fuel Browsers are emptied when necessary.

3.9.2.4. **(Added)** Maintaining COMSEC/CCI accountability will be the responsibility of the work center that has tactical control over the CCI component. Maintenance personnel assigned to OLs will be responsible for accountability of CCI serial numbers in the Maintenance Information System (MIS) and equipment accounts for aircraft while assigned to their location. COMSEC/CCI actions will be processed IAW policy established by the WAM.

3.8.2. **(Added)** 55 AMXS will maintain the Dedicated Crew Chief (DCC) program for all 55 WG assigned RC/TC/WC-135 aircraft.

3.8.2.4. **(Added)** 55 AMXS will publish specific policy for assignment of personnel and management of DCC program.

3.8.2.4.1. **(Added)** All Flightline Maintenance AFSCs will be eligible to become DCCs. 55 AMXS will include training and experience requirements for all AFSCs in published guidance.

3.11.6.1. **(Added)** Squadrons will ensure all flights identify their critical support equipment and brief the status of these items at least monthly during the MXG standup meeting. OL support activities will brief their respective Commanders and will send their equipment status and supporting narratives to the 55 MXG deputy commander and SEL for action at least weekly. Items do not have to be on equipment accounts to be considered 'critical.'

**4.4. (Added) Applicable to Offutt AFB only:** 55 MXS Accessories Flight consists of Repair and Reclamation (R&R) and Fuels Systems Repair sections.

4.7.2. **(Added)** Applicable to Offutt AFB only: 55 MXS Consolidated Support Flight (CSF) Chief performs the duties and responsibilities (unless otherwise designated) of the Avionics Flight Chief.

4.7.5. **(Added)** Applicable to Offutt AFB only: 55 MXS CSF Chief performs the duties and responsibilities of the Repair Monitor.

4.8.1. **(Added)** Applicable to Offutt AFB only: 55 MXS Fabrication Section Chief performs the duties and responsibilities of the Fabrication Flight Chief and the NDI NCOIC/Chief.

4.8.1.3.1. **(Added)** Applicable to Offutt AFB only: The 55 WG Corrosion Manager ensures corrosion prevention and control requirements, to include wash rack procedures and scheduling requirements, are accomplished.

4.8.4.1.1. **(Added)** Offutt NDI lab will determine local weekly oil cart sampling time frames and communicate this information to AGE section and 55 AMXS production. NDI lab will notify MOC and the submitting unit the status of the cart. Oil Carts found contaminated will be taken out of service immediately and remain out of service until an oil sample is verified code by the NDI lab. OLs will coordinate with host base NDI lab for procedures.

**4.9. (Added) Applicable to Offutt AFB only:** 55 MXS Maintenance Flight consists of the Inspection Section, Fabrication Section, and Transient Alert. Wheel and Tire functions are performed by the Component Repair Sections.

4.9.2.2. **(Added)** Repair and Reclamation (R&R), in coordination with 55 AMXS Leadership, and MXS inspection sections and respective squadron commanders, will determine how APG tasks are divided/overlap and publish this information to all APG sections. Full APG task coverage will be maintained between APG and R&R sections. At OLs, task coverage will be determined by OL maintenance supervision and the host base R&R section. 2A5X4 personnel will maintain all previous 2A5X4 qualifications when moving assignments between APG and R&R duty sections.

**4.11. (Added) 55 MXG engine trailer inspection and maintenance will be the primary responsibility of 55 AMXS Engines section.** 55 MXS will provide assistance as necessary/requested to complete requirements outside the ability of AMXS Engine section personnel. 55 MXO Engine Management will assist with the tracking and scheduling of inspections. OL Commanders will develop local procedures for the tracking/maintenance of assigned engine trailers.

5.2.1.12.1. **(Added)** Locally developed radio call sign listing will be published to the 55 MXG MOC SharePoint. OLs will follow host base MOC guidance for call sign approval.

6.4.5.1.1. **(Added)** 55 MXG and OL QA will communicate all pertinent cross-tell information.

6.4.10.1. **(Added)** Applicable to OLs only: OLs will maintain AFTO Form 781-series forms IAW 55 MXG guidance. This information will be published on the 55 MXG QA SharePoint.

6.7.3.1.1. **(Added)** Applicable to OLs only: OL QA sections will coordinate monthly E&I plan reviews with maintenance supervision and forward monthly updates to 55 MXG QA.

6.7.12.1.1. **(Added)** Applicable to OLs only: OL Commanders, or designated representative, will chair their respective local MSEP & Health of the Fleet (HOF) summary meetings. Major findings, significantly negative maintenance trends and corrective action summaries will be sent to the 55 MXG and 55 OG commander after OL leaders have reviewed quarterly MSEP and HOF reports.

6.7.12.3. **(Added)** Applicable to OLs only: OL QA leaders will develop a quarterly MSEP executive summary based on the results of their MSEP meetings. This summary will be sent to the 55 MXG QA Superintendent by the end of the first month after the last quarter has closed out.

6.9.5.1.9. **(Added)** Applicable to OLs only: OLs will submit Deficiency Reports (DR) through their host base for normally stocked parts.

6.9.5.1.9.1. **(Added)** Applicable to OLs only: OL QA offices are responsible for maintaining an audit trail including follow-ups of DR closing actions and exhibit disposition.

6.13.1.1. **(Added)** OCFs will be accomplished IAW technical directives and AFI 11-202 Vol 3 Supplement and AFMAN 11-2RC-135 Vol 3 supplement. OCF checklist will be completed during the first part of the sortie.

6.13.1.2. **(Added)** After the OCF is performed, the aircrew completes entries in the active forms. Maintenance personnel will clear the MIS using aircrew names in the corrective action.

6.13.2. **(Added)** Functional Check Flights (FCF) on 55 WG assigned C-135 aircraft are performed by designated flight crew from the 645 AESS, Majors Field, TX.

6.13.2.1. **(Added)** If it becomes necessary to perform an FCF utilizing a 55 WG C-135 aircrew, the 55 OG commander may issue a temporary certification that will only apply to the single FCF sortie. Since there are no permanent C-135 FCF qualifications, C-135 FCF certifications are not tracked on squadron letter of X's and Functional Check flight training and currency certificates are not maintained.

6.15.1.1. **(Added)** 55 MXG QA is the OPR for 55 WG assigned RC/TC/WC-135 aircraft Weight and Balance program and binder maintenance.

6.15.1.2. **(Added)** Only 55 MXG QA Weight and Balance Program Manager is required to attend the practical course. Weight and Balance Technicians at Offutt and OLs must only complete computer-based training and receive approval from the Weight and Balance Program Manager IAW 1-1B-50 par 8.3.4.

6.15.1.3. **(Added)** 55 MXG QA office will qualify all aircraft maintenance inspectors as Weight and Balance Technicians. OLs may qualify QA inspectors as a Weight and Balance Technicians. Contact 55 MXG QA for additional guidance.

6.15.3.8. **(Added)** QA will conduct all aircraft inventory/updates as determined by the 55 MXG Weight and Balance Manager. 55 MXG QA will provide Plans Scheduling and Documentation (PS&D) with the primary weight and balance from the Automated Weight and Balance System (AWBS) on a CD prior to jacket file being released for PDM input.

6.15.3.2.1. **(Added)** Weight and Balance manager will maintain all primary Weight and Balance information in AWBS.

6.15.4.3.1. **(Added)** 55 MXG QA will update the MIS work center event for TCTO Weight and Balance requirements. The MIS/REMIS interface will be used to update aircraft records.

6.15.5. **(Added)** Sections will notify QA when a part over five pounds (included in the aircraft basic weight) is permanently removed, installed, or relocated.

6.15.5.1. **(Added)** Work centers performing TCTOs or MODs on assigned aircraft will notify QA when the TCTO or MOD is being started and upon completion so Weight and Balance records can be updated.

6.15.6. **(Added)** All Quick Reaction Capability (QRC) components installed will be documented using the AFTO Form 781C, Avionics Configuration and Load Status Document.

6.15.6.1. **(Added)** Proper documentation for components removed or installed on a temporary basis i.e., for repairs or to establish a new QRC) are as follows: If T.O. procedure calls for a Chart C update, enter a discrepancy into AFTO Form 781A under a Red X requiring a weight and balance update and refer the job to the discrepancy requiring component removal or installation. Once complete, contact QA to update aircraft weight and balance. If T.O. task does not call for Chart C update, the equipment is considered pro- gear/carry-on. Enter a note on the informational note page in section one of the aircraft AFTO Form 781As requiring aircrew to complete a DD Form 365-4, Weight and Balance Clearance Form F, prior to the aircraft flight. This entry will include the component's nomenclature, weight, and location (station number) on the aircraft. A reference will also be made to the AFTO Form 781C. This entry will only be removed after the aircraft has been returned to its original configuration.

6.15.7. **(Added)** For aircraft in a non-standard configuration, 55 MXG QA weight and balance technicians will re-compute the aircraft basic weight and balance prior to jacking.

**6.16. (Added) 55 MXG Unit Self-Assessment Program (USAP).** The USAP is established by AFI 90-201 a means for internal assessment of the MXG's overall health and complements external assessments. The MXG Self-Assessment Program Manager (SAPM) is charged with managing the Commander's USAP. QA's function and role compliments the multi-platform nature of the USAP. Observed risks, root causes, and corrective actions identified through the QA process will be integrated into the USAP.

6.16.1. **(Added)** The 55 MXG SAPM will develop a process to integrate QA findings with unit provided root causes and corrective actions into the USAP.

6.16.1.1. **(Added)** The process should focus on providing tracking on risks identified by QA that are mitigated by a program or policy changes to closure.

6.16.2. **(Added)** The 55 MXG SAPM will develop and manage a Root Cause Analysis (RCA) form to be used across the Group.

6.16.2.1. **(Added)** The RCA must include member professional demographics (e.g., rank, skill level), a method to determine root cause, a corrective action that addresses the root cause and is unified with AFI 90-201 deficiency cause codes for interoperability with other USAP platforms.

**6.17. (Added) 55 MXG QA will maintain checklists for Hot-Pit refueling and any rapid refueling/regeneration operations that are developed by the 55 MXG.**

7.2.1.1. **(Added)** 55 MXG QA is the focal point for impound checklist development, impound training, and process oversight. Local checklist can be found on 55 MXG QA SharePoint.

7.2.1.2. **(Added)** Appointed Impound Officials will contact QA once an impound has been declared. QA Impound Program manager or Chief Inspector will provide official with an impound binder, checklist, and brief refresher training.

7.2.1.3. **(Added)** The impound processes; to include, documentation, entry control, maintenance actions, removed parts, and exhibit control will be inspected by QA on a weekly basis during the impound.

7.2.1.4. **(Added)** QA will perform and document a QVI on aircraft forms prior to impound being cleared.

7.2.1.5. **(Added)** Once the impound has been cleared, original copies of the impound binder, checklist, and final report with any applicable pictures and/or exhibits will be returned to 55 MXG QA. Copies will be forwarded to Wing Safety and 55 MXG plans and scheduling.

7.2.2.2.1. **(Added)** In the event of a dual absence, 55 MXG SEL is appointed as Impound Release Authority.

7.2.2.2.2. **(Added)** Impounded aircraft/equipment at TDY locations without OL support will coordinate with 55 MXG leadership to determine temporary Impound Release Authority delegation.

8.2.1.2. **(Added)** Authorization to check out engine borescopes will be determined using the Special Certification Roster.

8.2.3.1. **(Added)** Maintenance supervision will develop written procedures for the accountability and replacement of warranted tools.

8.2.8. **(Added)** Individuals are responsible for maintaining accountability of individually issued equipment and must immediately report to their supervisors if items are missing. OLs will follow host base guidance.

8.2.9. **(Added)** Aircraft Support Flight (ASF) supervision will develop rag inventory and control procedures.

8.2.10. **(Added)** Unit Maintenance Supervision will authorize specific personnel to procure tools.

8.2.12.1. **(Added)** Depot teams, factory representatives, and Contractor Field Teams will be briefed on tool control procedures by Maintenance Supervision or QA prior to starting work and out briefed by Maintenance Supervision or QA to ensure tools/equipment have been accounted for prior to departure.

8.2.13.2. **(Added)** Unit Maintenance Supervision will develop written accountability/security procedures for any decentralized CTKs.

8.2.15.2. **(Added)** Applicable to Offutt AFB only: When only one person is assigned to a shift/work center, the individual will contact a Production Superintendent who will perform or direct a second party to inventory the CTK and document TC-Max or sign the in/out blocks of the ACC Form 140, CTK Inventory and Control Log or automated program as applicable.

8.2.16.1. **(Added)** Maintenance supervision will authorize, in writing, personnel approved unescorted entry into tool rooms.

8.3.5.2. **(Added)** Locally manufactured Foreign Object Damage (FOD) container will be installed on all CTKs subject to dispatch to an aircraft. Back shop CTKs are not required to have FOD containers if a suitable disposal medium is available in the immediate work area. Truck mounted CTKs need not have a FOD container if the truck has a FOD container. FOD containers attached to the CTK are counted as one item on the MIL. OLs will follow host base guidance.

8.3.5.3. **(Added)** When a tool is deleted, insert a foam silhouette or other suitable material in the corresponding space to designate tool deletion. Large items in the support section may be shown deleted by writing DELETED in the spot where the tool was located, and the deletion documented in TC-Max. A tool will be considered deleted if not replaced or placed on order within 24 hours of being removed. OLs will follow host base guidance.

8.5.1.3. **(Added)** Applicable to Offutt AFB only: Due to the geographic separation between the shops and the servicing Support Flight, 55 MXS CSF is authorized to utilize the ACC Form 140 to maintain tool control and accountability for the following shops/CTKs: RFMUX, Circuit Card Repair, Avionics (EW, CN,) back shops, Transient Alert, and CTK ODMDMP50E located in the E-4 hangar. CTK Custodians from MXS CSF will perform custodial inspections of their assets in each shop at least once each work week. Inspections will be documented on a CAF Form 140 located at the work center.

8.5.1.4. **(Added)** CTKs and special tools will only be transferred from one technician to another when approved by the on-duty Production Superintendent. Transfer of tools should be limited to times when normal tool turn-in procedures are not able to be followed due to on-going maintenance requirements. OLs will follow host base guidance.

8.5.1.4.1. **(Added)** For on-line turnover: off going technician, on coming technician, and Production Superintendent or CTK representative will conduct a joint inventory of all tools and equipment being transferred. Utilize a TC-Max print out (AF 1297, Temporary Issue Receipt, when TC-Max is not available) to ensure all items have been accounted for. Once the inventory is complete, all three parties will sign and print with employee number the TC-Max printout/1297. The document will be turned into their respective CTK section to make final changes to tool and equipment ownership. The off-going technician will not be cleared from TC-Max until inventory has been validated by their respective support section. OLs will follow host base guidance.

8.6.1.1. **(Added)** 55 MXG QA will develop and publish World Wide Identification (WWID) codes for all CTK activities at Offutt AFB. These codes will be available on the 55 MXG QA SharePoint. OLs will follow host base guidance. If changes to WWID codes are made, QA will notify affected agencies.

8.6.1.7. **(Added)** Dispatchable CTKs will be marked with reflective tape to provide increased visibility. Reflective tape must be visible from all directions. OLs will follow host base guidance.

8.6.1.8. **(Added)** CTK padlocks and keys will be etched with the CTK WWID number. Padlock and key will be annotated as separate items on the MIL. Exception: Padlocks that cannot be physically removed from CTKs without tools do not need to be marked nor on the MIL. OLs will follow host base guidance.

**8.7. (Added) Offutt local manufacture procedures are in 55 MXGI 21-05. OLs will follow host base procedures for local manufacture of tools.**

8.9.2.1. **(Added)** When a missing tool or aircraft item is identified, the on-shift Production Superintendent will be notified immediately, and a thorough search of the area shall be initiated. OLs will follow host installation procedures.

8.9.2.3.1. **(Added)** If the item/tool cannot be located within one hour, the Production Superintendent shall notify 55 MXG MOC and initiate an ACC Form 145 IAW DAFI 21-101\_ACC Par 8.9.2.3.1. OLs will follow host installation procedures. Once complete, ACC Form



145 shall be routed to 55 MXG MOC and Wing FOD Monitor. If item/tool is found, the ACC Form 145 form may be signed by on-shift Production Superintendent. For items/tools that cannot be located, ACC Form 145 shall be signed at a level no lower than Squadron SEL/DO. OLs will follow host installation procedures.

11.6.5.1.1. **(Added)** All Red Ball MIS discrepancies must contain “REDBALL” in the discrepancy.

11.6.5.1.2. **(Added)** Applicable to Offutt AFB only: All Red Ball JCNs will be assigned by the MOC upon notification of a Red Ball by the production superintendent or expediter. The MOC will input all Red Ball discrepancies into MIS. If MIS is down upon Red Ball notification, MOC will document and assign a manual JCN, discrepancy narrative, WUC, and any other information pertaining to the Red Ball. MOC will document into MIS as soon as it is operational.

11.6.5.1.3. **(Added)** Applicable to OLs only: OLs will use assigned Manual JCNs to document Red Ball maintenance as necessary.

11.7.1. **(Added)** The 55 MXG is responsible for deploying MRTs and equipment to recover aircraft at remote locations, as directed by AFI 21-101 ACC Sup and applicable Lead Command procedures (see [Attachment 20](#) for MRT Chief Checklists). Unit resources, including personnel, supplies, and equipment, will be made available to support en-route aircraft recoveries. Squadron Maintenance leadership will:

11.7.1.1. **(Added)** Ensure adequate equipment resources, as authorized by applicable allowance standards are available to perform remote aircraft recoveries.

11.7.1.2. **(Added)** Ensure enough individuals are qualified to perform and complete all anticipated tasks, including IPI and Red-X sign offs. Consider the experience level of the individuals selected when the need is identified to troubleshoot repeat/recurring discrepancies, especially those that caused in-flight emergencies or involve safety of flight. The 55 MXG commander has the authority to grant approval for a single person to sign off their own work when only one individual deploys on an MRT IAW TO 00-20-1.

11.7.1.3. **(Added)** Ensure sufficient numbers of personnel, across all maintenance AFSCs, have official government passports, as applicable, to reduce deployment limitations and ensure adequate support of MRT taskings.

11.7.1.4. **(Added)** Ensure the MOC is informed of personnel and equipment deployed in MRTs and status of the recovery.

**11.8. (Added) Foreign Object Damage (FOD) Prevention Program.** See Offutt AFBI 21-100 for further FOD Prevention program policy. OLs will follow host base guidance.

11.8.3.1.4. **(Added)** Applicable to Offutt AFB only: Individually issued headlamps are not to be used during engine intake/exhaust inspections. Only CTK issued flashlights/headlamps can be used for these inspections.

11.9.3. **(Added)** Applicable to OLs only: OLs will follow host base procedures and will notify 55 MXG MOC, 55 MXG QA, and 55 WG DOP Monitor if there is a Dropped Object incident on a 55 WG aircraft.

11.13.10. **(Added)** Applicable to OLs only: OLs shall contact 55 MXG Engine Manager and MOC prior to performing any engine related cannibalization action.

11.28.2.4.1. **(Added)** Crashed, Damaged, or Disabled Aircraft Recovery (CDDAR) Procedures for 55 MXG are as follows. OLs will follow host base/local guidance.

11.28.2.4.4. **(Added)** Offutt AFB Guidance for Aircraft Mishaps is located in 55 WG Mishap Response Plan 91-204. All organizations should be familiar with their requirements/checklist in the Installation Emergency Management (IEMP) Plan 10-2. Current copies of this plan can be located at:

<https://usaf.dps.mil/teams/55WGXP680/Shared%20Documents/Forms/AllItems.aspx?FolderCTID=0x012000B8665A471C5C51498C3E0478A86974C3&id=%2Fteams%2F55WGXP680%2FShared%20Documents%2FPlans%20Section%2F01%20%2D%20Wing%20Plans%20%26%20Instruction%20Library&viewid=2188c258%2Ddc0b%2D478d%2Db144%2D22d0c9d47c1b>>

11.28.2.6.2. **(Added)** 55 MXG CDDAR is responsible for crash recovery of all RC/TC/WC- 135 aircraft, Transient aircraft located at Offutt AFB, and for the Area of Responsibility defined by Offutt IEMP 10-2 and 55 WG Mishap Response Plan 91-204.

11.28.1.1. **(Added)** All 55 MXG units will provide support equipment/personnel and system Subject matter experts as requested by CDDAR Team Chief.

11.28.2.6.3. **(Added)** Be adequately trained in aircraft recovery operations IAW AFI 21-101. Recurring three-year training will be documented in Integrated Maintenance Data System (MIS).

11.28.2.8. **(Added)** The Incident Commander Will:

11.28.2.8.1. **(Added)** Take command and control of the DRF at an incident scene.

11.28.2.8.2. **(Added)** Brief the CDDAR Team Chief and team members of any precautions and procedures that shall be followed to preserve evidence and/or investigative materials and avoid disrupting any mishap/crash investigations prior to recovery operations.

11.28.2.8.3. **(Added)** Ensure an Entry Access List (EAL) is published prior to recovery operations and approve all personnel requiring access to the recovery site.

11.28.2.8.4. **(Added)** Meet with the CDDAR Team Chief to establish an Aircraft Recovery Plan (ARP).

11.28.2.9. **(Added)** 55 MXS Repair and Reclamation (R&R) Section Chief will:

11.28.2.9.1. **(Added)** Maintain current Recall Rosters for all CDDAR personnel.

11.28.2.9.2. **(Added)** Ensure all R&R section personnel are adequately trained in aircraft recovery operations per AFI 21-101. Recurring annual training will be documented in MIS.

11.28.2.9.3. **(Added)** Organize Annual CDDAR exercise with required organizations.

11.28.2.9.3.1. **(Added)** Coordinate with QA and Wing Evaluations and Inspection Program Office to schedule CDDAR exercises and out briefs. 55 MXS R&R section will ensure maximum participation of CDDAR team members in an exercise.

11.28.2.10. **(Added)** 55 MXG Maintenance Operation Center will:

11.28.2.10.1. **(Added)** Initiate QRC02 upon notification of a crashed or disabled aircraft.

11.28.2.10.2. **(Added)** Coordinate Support request from CDDAR Team Chief.

11.28.2.11. **(Added)** 55 MXS Structural Repair Will:

11.28.2.11.1. **(Added)** Provide specialized tools and personnel for assessment and/or removal of aircraft structure and components.

11.28.2.11.2. **(Added)** Provide assessment of any composite materials that will require Fixant spray.

11.28.2.11.3. **(Added)** Provide training as requested by First Responders on use of Fixant spray.

11.28.2.12. **(Added)** 55 MXG will conduct at least one CDDAR exercise per calendar year on C-135 aircraft and invite 595th Command and Control Group, and United States Navy to participate. If participation is not possible, MXG will coordinate a CDDAR continuity meeting with the 595th Command and Control Group, and United States Navy. Applicable supervision representatives/system experts will attend out briefs along with QA. All events will be recorded by the Team Chief and kept in the CDDAR program binder.

14.2.2.3.14.1.1. **(Added)** Applicable to OLs only: OLs will return the last three months of aircraft pulled forms accrued during rotation. Forms shall be in correct order, reviewed by OL section chiefs and any missing forms for inclusive dates identified on an MFR. Forms will be loaded onto the aircraft and addressed to 55 MXG/PS&D.

14.2.6. **(Added)** Applicable to Offutt AFB only: PS&D and Maintenance Analysis will develop and publish a manual JCN listing. This listing will be published on the 55 MXO PS&D SharePoint. The listing will be placed in each set of aircraft forms and the master forms binder.

14.3.4.2.4.2.4. **(Added)** Applicable to Offutt AFB only: Owning work centers will monitor, delete, change, and create as needed (Job Standard) JST work center events for Job Flow Packages. All requests must be routed through QA and will be forwarded to analysis for action once approved.

14.5.5.5.1. **(Added)** Applicable to Offutt AFB only: No later than the first weekly scheduling meeting of the month, all 55 OG and 55 MXG aircraft and maintenance requirements for the following month will be provided to 55 MXO PS&D and maintenance supervision.

14.5.5.4.2. **(Added)** Applicable to Offutt AFB only: 55 AMXS DO will submit Capability Production forecast to the Readiness Assessment Cycle team and Operations Support Squadron one week prior to the third Thursday of every month.

FOR KRISTEN D. THOMPSON, Colonel, USAF  
Commander

**Attachment 1 (Added)****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

DAFI 21-10, *Aircraft and Equipment Maintenance Management*, 15 Jan 2020, GM 30 Sep 2021

DAFMAN 90-161, *Publishing Process and Procedures*, 15 April 2022

AFI 21-101 ACC Sup, *Aircraft and Equipment Maintenance Management*, 21 April 2021

OAFBI 21-100, *Foreign Object Damage/Dropped Object prevention Program*, 1 August 2022

AFMAN 11-2RC-135, Volume 3 supplement, *Operations Procedures*, 2 April 2020

DESR 6055.09\_AFMAN 91-201, *Explosives Safety Standards*, 28 May 2020 AFI 91-202, *The US Air Force Mishap Prevention Program*, 11 Mar 2020

T.O. 1C-135-2-2-2, *Maintenance Instructions - General Aircraft - Ground Handling, Servicing, and Airframe*, USAF Series C-135 Aircraft, 15 June 2022

T.O. 1-1B-50, *Aircraft Weight and Balance*, 1 August 2019

***Adopted Forms***

ACC Form 140, *CTK Inventory and Control Log*

AF Form 1297, *Temporary Issue Receipt*

AF Form 1800, *Operators Inspection Guide and Trouble Report*

AFTO Form 350, *Reparable Item Processing Tag*

AFTO Form 781A, *Maintenance Discrepancy and Work Document* AFTO Form 781C, *Avionics Configuration and Load Status Document* DD Form 365-4, *Weight and Balance Clearance Form F - Transport*

***Abbreviations and Acronyms***

**ASF**—Aircraft Support Flight

**CCI**—Controlled Cryptographic Item

**CCIR**—Commanders Critical Information Requirements

**CND**—Can Not Duplicate

**CMD**—Commercial Mobile Device

**CSF**—Consolidated Support Flight

**DR**—Deficiency Report

**E&I**—Evaluations and Inspections

**EW**—Electronic Warfare

**FCF**—Functional Checkout Flight

**HOF**—Health of the Fleet

**MOO**—Maintenance Operations Officer

**MRSP**—Mobility Readiness Spares Package

**OCF**—Operational Checkout Flight

**OL**—Operating Location

**PRD**—Pilot Reported Discrepancy

**PS&D**—Plans, Scheduling and Documentation

**QRC**—Quick Reaction Capability

**R&R**—Repair and Reclamation

**SITREP**—Situation Report

**W&B**—Weight and Balance

**Attachment 8 (Added)****FLYING SCHEDULING EFFECTIVENESS**

A8.3.5.1. (Added) In Coordination with AMXS leadership and operations schedulers, Analysis NCOIC will determine local deviation cause codes as deemed necessary. These cause codes will be published on the 55 MOX/MXOA SharePoint site.

**Attachment 10 (Added)****FLYING SCHEDULING REPORTING PROCESS**

A10.2.3.2.1. **(Added)** Applicable to Offutt AFB only: In coordination with 55 AMXS leadership and operations schedulers, determine 55 WG sortie line numbering convention. This information will be published on the 55 MXO PS&D SharePoint.

A10.2.4.1. **(Added)** The Production Superintendent determines the deviation and cause code when reporting to MOC and Debrief. The Lead Production Superintendent is the final authority on deviation and cause codes.

**Attachment 20 (Added)****MAINTENANCE RECOVERY TEAM (MRT) TASKING CHECKLIST****A20.1. (Added) The MRT POC will:**

A20.1.1. **(Added)** Record the following:

A20.1.1.1. **(Added)** Aircraft MDS and tail number.

A20.1.1.2. **(Added)** Location.

A20.1.1.3. **(Added)** Point of contact (POC) and phone number.

A20.1.1.4. **(Added)** All discrepancies requiring support.

A20.1.1.5. **(Added)** Type of and desired skill level of needed technician.

A20.1.1.6. **(Added)** Parts requirements.

A20.1.1.7. **(Added)** Equipment requirements (including tools, testers, etc.)

A20.1.1.8. **(Added)** Mode of transportation and projected date/time of departure. Evaluate capabilities and determine the best mode of transportation (military airlift, commercial, or government vehicle).

A20.1.1.9. **(Added)** Passport/Visa/Immunization requirements for personnel.

A20.1.2. **(Added)** Contact the applicable maintenance supervision to review requirements and request support from the responsible units to assemble an MRT.

A20.1.3. **(Added)** Brief MRT personnel concerning their duties and responsibilities. Ensure the MRT chief understands the responsibilities. Emphasize the following:

A20.1.3.1. **(Added)** The MRT is required to call the home station MOC upon arrival to provide a phone number where they can be contacted.

A20.1.3.2. **(Added)** The MRT is responsible for their equipment and parts:

A20.1.3.2.1. **(Added)** Verify necessary parts are available. Open each container to ensure the right part(s) are in the box prior to departure.

A20.1.3.2.2. **(Added)** Check special tools, support, and test equipment for serviceability prior to departure.

A20.1.4. **(Added)** Ensure TDY orders are generated for MRT. Consider the following authorizations and provide as required:

A20.1.4.1. **(Added)** Mission Route Support (MRS) or Mission Essential Personnel (MEP).

A20.1.4.1.1. **(Added)** MRS permits the bumping of cargo to allow space for the MRT and their equipment.

A20.1.4.2. **(Added)** Advance per diem.

A20.1.4.3. **(Added)** Commercial travel.

A20.1.4.4. **(Added)** Rental car.

A20.1.4.5. **(Added)** Variations:



A20.1.5. **(Added)** Direct the responsible shop to order the required parts and the applicable unit to select the required equipment items. If requirements are not known, make contact with the AC/flight engineer/ crew chief to determine what items are required.

A20.1.5.1. **(Added)** Items too large or heavy to be carried will be coordinated with Lead Command and processed by the responsible shop and given to the TMF for shipment.

A20.1.5.2. **(Added)** If parts cannot be sourced locally, consider directing cannibalization.

**A20.6. (Added) Commercial transportation of a MRT and equipment is, in many cases, the most expeditious method. Consider the following:**

A20.1.6.1. **(Added)** Airline:

A20.1.6.2. **(Added)** Surface (bus, rail, car).

A20.1.6.3. **(Added)** Air Express Small Package Service.

**A20.1.7. (Added) Coordinate transportation requirements with TMF. Review the following:**

A20.1.7.1. **(Added)** Destination, and priority.

A20.1.7.2. **(Added)** Selected mode of transportation and itinerary.

A20.1.7.3. **(Added)** Names for MRT personnel and nomenclature of equipment items and parts.

A20.1.7.4. **(Added)** Authorization for excess baggage allowance if necessary.

A20.1.7.5. **(Added)** Record TCNs, government bills of lading (GBL), and any applicable billing or shipment numbers. Shipment of large or heavy items by commercial airline mandates prior coordination with airline personnel by MOC or the MRT. To maintain control of parts/equipment, they must be hand-carried or checked as baggage. If an item is not accepted as carry-on luggage or checked as baggage, purchase of an extra seat to accommodate it must be considered and is recommended. Advance coordination with the airline is the key to a successful movement without unnecessary delays.

A20.1.8. **(Added)** Maintain contact with the MRT or the unit responsible for the parts/equipment shipment to ensure that all resources arrive in time to make the scheduled departure.

**A20.2. (Added) Prior to Departure. The MRT chief will:**

A20.2.1. **(Added)** Receive complete MRT briefing.

A20.2.2. **(Added)** Read and understand all MRT chief responsibilities.

A20.2.3. **(Added)** Ensure all personnel on the MRT are prepared and aware of their part in recovery actions.

A20.2.4. **(Added)** Ensure all equipment/parts/tool kits/technical orders are properly prepared for shipment.

A20.2.4.1. **(Added)** Verify necessary parts are available. Open containers to ensure the right part(s) are in the box.

A20.2.4.2. **(Added)** Check special tools, support and test equipment for serviceability.

**A20.3. (Added) Upon Arrival. The MRT chief will:**

A20.3.1. **(Added)** Contact home station MRT POC.

A20.3.2. **(Added)** Report to the mission commander and/or MOC.

A20.3.3. **(Added)** If possible, debrief air crew and make initial determination of discrepancy.

A20.3.4. **(Added)** Compute MRT duty day:

A20.3.4.1. **(Added)** Emphasize safety.

A20.3.4.2. **(Added)** Your initial duty day begins at the time you reported to work prior to MRT tasking. The total duty day (home station duty, travel, and recovery site duty) will not exceed 16 hours for any team member. Technicians will be afforded a minimum of 8 hours uninterrupted rest. (Refer to [Chapter 1](#))

A20.3.4.3. **(Added)** MRT work starts immediately upon arrival unless duty day has expired en-route.

A20.3.4.4. **(Added)** Normal work/rest period at recovery site is 12 hours of work, followed by 12 hours of rest. The 12-hour work period may be extended with concurrence of the MAJCOM and/or the group commander at the deployment site. Do not overwork your team and compromise safety. You are responsible for their care.

A20.3.4.5. **(Added)** If any questions arise consult the AC, group commander, senior maintenance representative, or MAJCOM.

A20.3.5. Report to home station MRT POC with the following information.

A20.3.5.1. **(Added)** Specific discrepancies.

A20.3.5.2. **(Added)** Estimated time in-commission (ETIC).

A20.3.5.3. **(Added)** Billeting room/phone (if applicable).

A20.3.5.4. **(Added)** Expiration time of MRT duty day.

**A20.4. (Added) During recovery, report to the MRT POC to the following schedule:**

A20.4.1. **(Added)** Upon initial assessment of actual discrepancy.

A20.4.2. **(Added)** If maintenance/supply status changes.

A20.4.3. **(Added)** As additional requirements become known (parts, equipment, expertise, etc.).

A20.4.5. **(Added)** At the end of shift or upon job completion.

**A20.5. (Added) Upon completion of recovery. The MRT chief will:**

A20.5.1. **(Added)** Assemble all parts/equipment/tools and prepare them for return shipment. Repairable assets brought with you or shipped to you from your home unit must be returned to your unit. Repairable assets issued at the recovery location will require turn-in at the recovery location. If in doubt about disposition, contact the home station MRT POC.

A20.5.2. **(Added)** Upon return to home station. The MRT chief will notify MRT POC of return.

**A20.6. MAINTENANCE RECOVERY TEAM (MRT) CHIEF TASKING.****Figure A20.1. (Added) CHECKLIST Maintenance Recovery Team (MRT) Chief Tasking Checklist.**

1. Team Chief:			
Name	Rank	AFSC	
2. Other Personnel:			
Name	Rank	AFSC	
3. Recovery Location:			
4. Aircraft Type:			
5. Tail Number:			
6. Mission Number:			
7. Next Destination:			
8. Mission Commander:		Room/Phone:	
9. Operations Officer/MX SUPT:			
10. Communications at Recovery Site:			
11. Specific Discrepancies:			
12. Equipment Required:	Item:	TCN:	
13. Part(s) Required:			
Nomenclature:	NSN:	TCN:	
Nomenclature:	NSN:	TCN:	
Nomenclature:	NSN:	TCN:	
Have required parts been bench checked before packing? Y / N / NA			
14. Tool Kits Required:	Kit Number:	TCN:	
15. Support Acft Tail No:			
16. Mission Number:			
17. Show Time:			
18. Orders Prepared? Y / N			
19. ETD:			
20. Passport/Visa required? Y / N			
21. Required Clothing/Money/Shot Records/etc.:			
22. Military Travel Request (MTR) prepared? Y / N			

## Attachment 21 (Added)

## RC-135V/W RIVET JOINT US/UK CO-MANNING MAINTNANCE PROCEDURES

**A21.1. (Added) In accordance with RC-135V/W Rivet Joint Co-Manning Maintenance Procedures dated 17 Jan 19, below are the skill cross reference tables to be used to determine qualifications when working with UK personnel temporarily assigned to the 55 MXG.**

**Table A21.1. (Added) USAF Aircraft General (APG) / Crew Chief (CC) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A5X1-000 ITL 2A5X4-000 ITL ITL 2A5X4-006 ITL WJQS 35961	Career Field Education & Training Plan 2A5X1, 2A5X4	ATM Trade Training  Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training  RJ Mechanical Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
43	QUAL C-135 ALERT TRNG	Not Applicable	
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPERATION	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
3247	CERT/C-135 INLET/INTAKE/EXHAUST	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
3248	CERT/C-135 ENGINE RUN F108	MAM-P C307	Undertake Engine Operator Duties
3250	CERT/C-135 ENGINE RUN IDLE F108	MAMP-C307	Undertake Engine Operator Duties
3252	CERT/C-135 ENGINE RUN PROFICIENCY	MAMP-C307	Undertake Engine Operator Duties
3269	CERT C-135 TOW TEAM SUPER	MAMP-C315	Supervise ground handling
4228	CERT F108 ENGINE RUN INITIAL	MAMP-C307	Undertake Engine Operator Duties

5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6187	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	N/A	Not Applicable to RAF Personnel for co-manning
10025	PMIL LMR OPERATOR	Nil	Local Training Required
11010	PROF ESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16018	QAFT AIRCRAFT MARSHALL F-WING I/P	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
16029	QAFT AIRCRAFT FAMILIARIZATION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
16115	QAFT CHAFING AWARENESS	WAD B048	Wiring Husbandry Awareness
17018	QAGE OPER 406-392 ACE ELE A/C	Nil	Local Training Required
17050	QAGE OPER A/M32A-86 GEN	WAD B232	USAF -86 GPU
17051	QAGE OPER A/M-32A-95 TURBINE	WAD B233	USAF -95 AST
17119	QAGE OPER DIESEL ACE A/C	Nil	Local Training Required
17143	QAGE OPER FL-1D FLOOD LIGHT	Nil	Local Training Required
17270	QAGE OPER NEW GENERATION HEATER	Nil	Local Training Required
17284	QAGE OPER PINTLE HOOK	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
22836	QMDS C-135 TOW BRAKE RIDER	MAMP-B209	Aircraft brakeman during ground movement of aircraft
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement - Groundcrew
22839	QMDS C-135 TOW VEHICLE OPER	MAMP-B210	Aircraft ground movement vehicle driver or device operator

29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co-manning
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
39035	QMTF DEDICATED CREW CHIEF COURSE	N/A	Not Applicable to RAF Personnel for co-manning
39050	QMTF C-135 INLET/INTAKE/EXHAUST COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125005	2CBTCBTHIL C3ADU00TVT0001 PANEL AND FASTENER AWARENESS	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125008	2CBTCBTHIL I6ADU00TCB0002 AIRCRAFT MARSHALLING	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125053	2CBTCBTHILL A6AKM00VTAG05 AIRCRAFT DEICING USING THE TM-1800 LANDOLL DEICER	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
125095	2CBTCBTHILL C2ADU00TCB9638 JOINT OIL ANALYSIS PROGRAM	N/A	Not Applicable to RAF Personnel for co-manning

125100	2CBTCBTHILL C6ANU00TVT1000 OXYGEN SAFE HANDLING	WAD B217	Use of 200 Ltr LOX trolley
125113	2CBTCBTHILL I2ADU00TCB0742 AIRCRAFT MARSHALLING	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
125410	2CBTCBTHIL C2ADU35TVT6777 RC- 135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
301200	6ETC0X000 044J6AZWXXXXX GENERAL TECHNICAL ORDER SYSTEM TRAINING	N/A	Not Applicable to RAF Personnel for co-manning
310104	4FTD2A5X1GJ18J4AMP2A5X1GJ18A (-135) MID PERIODIC INSPECTION COURSE	N/A	Not Applicable to RAF Personnel for co-manning
310788	4FTD2A5X1G J4AMP2A5X1GI18B RC-135 ENTRY LEVEL COURSE	N/A	Not Applicable to RAF Personnel for co-manning
310959	4FTD2A5X1G J4AMP2A5X1GH18A RC-135 AIRCRAFT MAINTENANCE CRAFTSMAN COURSE	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
310988	4FTD2A6X1 J4AMP2A6X1AI18A RC-135 ENGINE OPERATION COURSE	MAMP-C307	Undertake Engine Operator Duties
311064	4FTD2A6X5 J4AMP2A6X5 C18A RC- 135 AIRCRAFT PNUEDRAULIC REPAIR COURSE	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
311153	4FTD2A6X1A J4AMP2A6X1AA18A C-135 AEROSPACE PROPULSION CRAFTSMAN	MAMP-C307	Undertake Engine Operator Duties

**Table A21.2. (Added) USAF Jet Engines (JE) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A6X1- 000 ITL 2A6X1- 002 ITL 2A6X1- 004 ITL 2A6X1- 008A ITL WJQS 35980 ITL 2A6X4	Career Field Education & Training Plan 2A6X1  Propulsion        Fuel Systems	ATM Trade Training        Q-A-RC135W- Mechanical  (RAF)	Mechanical Trade Training        RJ Mechanical Q Annotation

7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2091	CERT APU CERTIFIER	N/A	No APU
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2333	CERT C-135 P5 ENG RUN <90%	MAMP-C307	Undertake Engine Operator Duties
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
2854	CERT F108 BLADE BLEND INIT	ATM Trade Training	Mechanical Trade Training
2855	CERT F108 BLADE BLEND PROFICIENCY	ATM Trade Training	Mechanical Trade Training
2856	CERT F108 BLADE BLEND RECERTIFICATION	N/A	No Re-cert required
3238	CERT C-135 APU OPERATION	N/A	No APU
3247	CERT C-135 INLET/INTAKE/EXHAUST	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
3248	CERT C-135 ENGINE RUN F108	MAMP-C307	Undertake Engine Operator Duties
3250	CERT C-135 ENGINE RUN IDLE F108	MAMP-C307	Undertake Engine Operator Duties
3252	CERT C-135 ENGINE RUN PROFICIENCY	MAMP-C307	Undertake Engine Operator Duties
4099	CERT F108 BORE SCOPE ANNUAL	ATM Trade Training MAM-P B215	Mechanical Trade Training Use of RVA
4228	CERT F108 ENGINE RUN INITIAL	MAMP-C307	Undertake Engine Operator Duties
4230	CERT TF33-P5 ENGINE RUN INITIAL	N/A	Not Applicable to RAF Personnel for co-manning
5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
5131	INSP F108 BORE SCOPE INITIAL	ATM Trade Training MAM-P B215	Mechanical Trade Training Use of RVA
5132	INSP F108 BORE SCOPE PROFICIENCY	ATM Trade Training MAMP-B215	Mechanical Trade Training Use of RVA
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6187	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	N/A	Not Applicable to RAF Personnel for co-manning
10025	PMIL LMR OPERATOR	Nil	Local Training Required
11010	PROFESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12040	PSAF SAFETY - EXPLOSIVE	Nil	RAF Mechanical Trade not permitted to replace explosives



12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16029	QAFT AIRCRAFT FAMILIARIZATION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
17006	QAGE AGE FAM TRAINING	Nil	Local Training Required
17029	QAGE OPER 7MC-2A DAV AIR COMP	Nil	Local Training Required
17050	QAGE OPER A/M32A-86 GEN	WAD B232	USAF -86 GPU
17051	QAGE OPER A/M-32A-95 TURBINE	WAD B233	USAF -95 AST
17119	QAGE OPER DIESEL ACE A/C	Nil	Local Training Required
17270	QAGE OPER NEW GENERATION HEATER	Nil	Local Training Required
17284	QAGE OPER PINTLE HOOK	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
19074	QDEP DEPLOYED ENGINE MANAGER	N/A	Not Applicable to RAF Personnel for co-manning
22836	QMDS C-135 TOW BRAKE RIDER	MAMP-B209	Aircraft brakeman during ground movement of aircraft
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement - Groundcrew
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required
29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
39031	QMTF F108 BLADE BLEND COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
39050	QMTF C-135 INLET/INTAKE/EXHAUST COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125005	2CBTCBTHIL C3ADU00TVT0001 PANEL AND FASTENER AWARENESS	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation

125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATM Trade Training Q- A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125008	2CBTCBTHIL I6ADU00TCB0002 AIRCRAFT MARSHALLING	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATM Trade Training Q-A-RC135W- Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATM Trade Training Q-A-RC135W- Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125053	2CBTCBTHILL A6AKM00TVTAG05 AIRCRAFT DEICING USING THE TM-1800 LANDOLL DEICER	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
125095	2CBTCBTHILL C2ADU00TCB9638 JOINT OIL ANALYSIS PROGRAM	N/A	Not Applicable to RAF Personnel for co-manning
125100	2CBTCBTHILL C6ANU00TVT1000 OXYGEN SAFE HANDLING	WAD B217	Use of 200 Ltr LOX trolley
125410	2CBTCBTHIL C2ADU35TVT6777 RC- 135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
301200	6ETC0X000 044J6AZWXXXXX GENERAL TECHNICAL ORDER SYSTEM TRAINING	N/A	Not Applicable to RAF Personnel for co-manning
310123	A4FTD30000A48AJ4AMP30000 ADVANCED WIRE MAINTENANCE COURSE	N/A	Not Applicable to RAF Personnel for co-manning
310465	4FTD2A6X1A130J4AMP2A6X1AC18A FLEXIBLE ENGINE BORESCOPE TRAINING COURSE	MAMP-B215	Use of RVA
310901	4FTD2A6X1A J4AMP2A6X1AL18A F108 ENGINE BORESCOPE TRAINING COURSE	MAMP-B215	Use of RVA
310963	4FTD2A6X1A J4AMP2A6X1AJ18A RC-135 F108 AEROSPACE PROPULSION CRAFTSMAN COURSE	Q-A-RC135W- Mechanical (RAF)	RJ Mechanical Q Annotation
311153	4FTD2A6X1A J4AMP2A6X1AA18A C-135 AEROSPACE PROPULSION CRAFTSMAN	MAMP-C307	Undertake Engine Operator Duties

**Table A21.3. (Added) USAF Hydraulics (HYD) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
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ITL 2A6X5- 000 ITL 2A6X5- 001 ITL 2A6X5-009 ITL WJQS 35943	Career Field Education & Training Plan 2A6X5 Hydraulic Systems	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
4151	CERT C-135 RETRACT TEAM SUPER	Nil	Any Mech 2 <sup>nd</sup> Sig
5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6187	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	N/A	Not Applicable to RAF Personnel for co-manning
10025	PMIL LMR OPERATOR	Nil	Local Training Required
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16018	QAFT AIRCRAFT MARSHALL F-WING I/P	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
16029	QAFT AIRCRAFT FAMILIARIZATION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ

			Mechanical Q Annotation
16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
17017	QAGE OPER 40 FOOT MANLIFT-JLG 001	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
22836	QMDS C-135 TOW BRAKE RIDER	MAMP-B209	Aircraft brakeman during ground movement of aircraft
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement – Groundcrew
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required
29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co- manning
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
34013	FLIGHTLINE COMPETANCY CARD	Nil	Local Training Required
39050	QMTF C-135 INLET/INTAKE/EXHAUST COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATM Trade Training	Mechanical Trade Training RJ

		Q-A-RC135W-Mechanical (RAF)	Mechanical Q Annotation
125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125008	2CBTCBTHIL I6ADU00TCB0002 AIRCRAFT MARSHALLING	ATM Trade Training Ground Handling Training	Mechanical Trade Training 51 Sqn Training Cell Training
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125053	2CBTCBTHILL A6AKM00TVTAG05 AIRCRAFT DEICING USING THE TM-1800 LANDOLL DEICER	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
125410	2CBTCBTHIL C2ADU35TVT6777 RC-135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
311064	4FTD2A6X5 J4AMP2A6X5 C18A RC-135 AIRCRAFT PNUEDRAULIC REPAIR COURSE	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation

**Table A21.4. (Added) USAF Electrical / Environmental (E/E) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A6X6-000 ITL 2A6X6-016 ITL WJQS 35977	Electrical & Environmental	ATAV Trade Training  Q-A-RC135W-Air Vehicle Avionics (RAF) ATM Training Q-A-RC135w-Mechanical (RAF)	Avionic Trade Training  RJ Air Vehicle Q Annotation Mechanical Trade Training RJ Mech Q Annotation
		ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mech Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUA LANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required

2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
3238	CERT C-135 APU OPERATION	N/A	No APU
4151	CERT C-135 RETRACT TEAM SUPER	Nil	Any Mech 2 <sup>nd</sup> Sig
5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6187	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	Nil	Local Training Required
10025	PMIL LMR OPERATOR	N/A	Not Applicable to RAF Personnel for co-manning
11010	PROF ESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12040	PSAF SAFETY-EXPLOSIVE	Nil	RAF Avionic Trade not permitted to replace explosives
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16018	QAFT AIRCRAFT MARSHALL F-WING I/P	ATM Trade Training ATA V Trade Traini ng Grou nd Handl ing Traini ng	Mechanical Trade Training Avionic Trade Training 51 Sqn Training Cell Training
16029	QAFT AIRCRAFT FAMILIARIZATION	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation
16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation
16115	QAFT CHAFING AWARENESS	WAD B048	Wiring Husbandry Awareness
17050	QAGE OPER A/M32A-86 GEN	WAD B232	USAF -86 GPU
17051	QAGE OPER A/M-32A-95 TURBINE	WAD B233	USAF -95 AST
17062	QAGE OPER A/MC-1A AIR COMPRESSOR	Nil	Local Training Required
17119	QAGE OPER DIESEL ACE A/C	Nil	Local Training Required
17171	QAGE OPER H-1 HEATER DSL	Nil	Local Training Required

17271	QAGE OPER NF-2/2D LIGHTALL	Nil	Local Training Required
17284	QAGE OPER PINTLE HOOK	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
22836	QMDS C-135 TOW BRAKE RIDER	MAMP-B209	Aircraft brakeman during ground movement of aircraft
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement - Groundcrew
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required
29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co-manning
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATM Trade Training ATAV Trade Training	Mechanical Trade Training Avionic Trade Training
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
39050	QMTF C-135 INLET/INTAKE/EXHAUST COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF)	Mechanical Trade Training RJ Mechanical Q Annotation
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation
125005	2CBTCBTHIL C3ADU00TVT0001 PANEL AND FASTENER AWARENESS	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation
125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation

		Q-A-RC135W-Air Vehicle Avionics (RAF)	
1250 08	2CBTCBTHIL I6ADU00TCB0002 AIRCRAFT MARSHALLING	ATM Trade Training ATAV Trade Training Ground Handling Training	Mechanical Trade Training Avionic Trade Training 51 Sqn Training Cell Training
1250 46	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation
1250 47	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation
1250 53	2CBTCBTHILL A6AKM00TVTAG05 AIRCRAFT DEICING USING THE TM-1800 LANDOLL DEICER	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
1251 00	2CBTCBTHILL C6ANU00TVT1000 OXYGEN SAFE HANDLING	WAD B217	Use of 200 Ltr LOX trolley
1254 10	2CBTCBTHIL C2ADU35TVT6777 RC-135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
3109 66	4FTD2A6X6 J4AMP2A6X6 C18B RC-135 ELECTRICAL AND ENVIRONMENTAL CRAFTSMAN COURSE	ATM Trade Training Q-A-RC135W-Mechanical (RAF) ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Mechanical Trade Training RJ Mech Q Annotation Avionic Trade Training RJ Air Vehicle Q Annotation



3111 53	4FTD2A6X1A J4AMP2A6X1AA18A C-135 AEROSPACE PROPULSION CRAFTSMAN	MAMP-C307	Undertake Engine Operator Duties
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**Table A21.5. (Added) USAF Comms / NAV (C/N) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A9X1X-000 ITL 2A9X1X-004 ITL WJQS 35940	Comm / Nav Systems	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6187	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	Nil	Local Training Required
10025	PMIL LMR OPERATOR	N/A	Not Applicable to RAF Personnel for co-manning
11010	PROF ESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12040	PSAF SAFETY-EXPLOSIVE	Nil	RAF Avionic Trade not permitted to replace explosives
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
13005	PSEC COMSEC	MAMP-B201	Load Keymat
16029	QAFT AIRCRAFT FAMILIARIZATION	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation

16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Nil	Local Training Required
17017	QAGE OPER 40 FOOT MANLIFT-JLG 001	Nil	Local Training Required
17200	QAGE OPER JLG -60 MODIFIED LIFT	Nil	Local Training Required
17284	QAGE OPER PINTLE HOOK	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement - Groundcrew
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required
29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co-manning
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATAV Trade Training	Avionic Trade Training
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125005	2CBTCBTHIL C3ADU00TVT0001 PANEL AND FASTENER AWARENESS	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125113	2CBTCBTHILL I2ADU00TCB0742 AIRCRAFT MARSHALLING	AT AV Trade	Avionic Trade Training 51 Sqn Training Cell Training

		Training Ground Handling Training	
125410	2CBTCBTHIL C2ADU35TVT6777 RC-135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
301200	6ETC0X000 044J6AZWXXXXX GENERAL TECHNICAL ORDER SYSTEM TRAINING	N/A	Not Applicable to RAF Personnel for co-manning
301937	6ETC2AXXX 000J6AZW2AX5X IMDS FOR FLIGHT LINE	Nil	Local Training Required
310123	A4FTD30000A48AJ4AMP30000 ADVANCED WIRE MAINTENANCE COURSE	WAD B047 WAD B065	Wiring Husbandry Assessment PTT

**Table A21.6. (Added) USAF Instruments / Autopilot (GAC/GC/IFC) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A9X2X-000 ITL 2A9X2X-004	Career Field Education & Training Plan 2A9X2X Instruments & Flight Control	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
2111	CERT/AUTH SIGN REPEAT/RECUR	N/A	RAF EngO Only
2704	CERT/CLEAR RED-X PAFSC C-135	N/A	Not Applicable to RAF Personnel for co-manning
3269	CERT C-135 TOW TEAM SUPER	MAMP-C315	Supervise ground handling
5102	INSP/CLEAR IPI PAFSC C-135	N/A	Not Applicable to RAF Personnel for

			co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
6193	PADM AF TRAINING COURSE	Nil	Local Training Required
10025	PMIL LMR OPERATOR	N/A	Not Applicable to RAF Personnel for co-manning
11010	PROF ESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16018	QAFT AIRCRAFT MARSHALL F-WING I/P	ATA V Trade Training Ground Handling Training	Avionic Trade Training 51 Sqn Training Cell Training
16029	QAFT AIRCRAFT FAMILIARIZATION	ATAV Trade Training	Avionic Trade Training RJ Air Vehicle Q Annotation
16079	QAFT AIRCRAFT SNOW & ICE REMOVAL	WAD B022	Undertake anti-icing and de-icing operations on parked aircraft
16089	QAFT AIRCRAFT WASH TNG	Nil	Local Training Required
16115	QAFT CHAFING AWARENESS	WAD B048	Wiring Husbandry Awareness
17006	QAGE AGE FAMILIARIZATION TNG	Nil	Local Training Required
17029	QAGE OPER 7MC-2A DAV AIR COMP	Nil	Local Training Required
17050	QAGE OPER A/M32A-86 GEN	WAD B232	USAF -86 GPU
17051	QAGE OPER A/M-32A-95 TURBINE	WAD B233	USAF -95 AST
17088	QAGE OPER B809A GENERATOR	Nil	Local Training Required
17102	QAGE OPER CART SELF GENERATING NITROGEN	Nil	Local Training Required
17143	QAGE OPER FL-1D FLOOD LIGHT	Nil	Local Training Required
17270	QAGE OPER NEW GENERATION HEATER	Nil	Local Training Required
17284	QAGE OPER PINTLE HOOK	Nil	Local Training Required
17309	QAGE OPER TM-1800 DEICER	Nil	Local Training Required
17340	AQAGE A/M 32A-103 TRIELECTRON	Nil	Local Training Required
22561	QMDS C-135 EMER GROUND EGRESS	Nil	Local Training Required
22836	QMDS C-135 TOW BRAKE RIDER	MAMP-B209	Aircraft brakeman during ground movement of aircraft
22837	QMDS C-135 TOW TEAM MEMBER	WAD B140	Authorized to act as aircraft safety personnel during aircraft ground movement - Groundcrew
22839	QMDS C-135 TOW VEHICLE OPER	MAMP-B210	Aircraft ground movement vehicle driver or device operator
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required

29041	AQOS HFIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
29115	QOSH LOCK OUT/TAG OUT AWARENESS	N/A	Not Applicable all RAF Eng Personnel trained
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co-manning
32380	CORROSION CONTROL	ATAV Trade Training	Avionic Trade Training
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
34031	QVEH OPER ACE802-329 AC/HEAT	Nil	Local Training Required
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125007	2CBTCBTHILL A6ANU00TIV2800 AIRCRAFT SCHEMATIC DIAGRAMS	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125008	2CBTCBTHIL I6ADU00TCB0002 AIRCRAFT MARSHALLING	ATAV Trade Training Ground Handling Training	Avionic Trade Training 51 Sqn Training Cell Training
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation
125053	2CBTCBTHILL A6AKM00TVTAG05 AIRCRAFT DEICING USING THE TM-1800 LANDOLL DEICER	WAD B022	Undertake anti-icing and deicing operations on parked aircraft
125113	2CBTCBTHILL I2ADU00TCB0742 AIRCRAFT MARSHALLING	ATAV Trade Training Ground Handling Training	Avionic Trade Training 51 Sqn Training Cell Training
125410	2CBTCBTHIL C2ADU35TVT6777 RC-135 EMERGENCY GROUND EGRESS	Nil	Local Training Required
301937	6ETC2AXXX 000J6AZW2AX5X IMDS FOR FLIGHT LINE IMDS FOR FLIGHT LINE	Nil	Local Training Required
310032	4FTD2AX3X518AJ4AMP2A5X3 BM18A RC-135 INSTRUMENT AND FLIGHT CONTROL SYSTEMS COURSE	ATAV Trade Training Q-A-RC135W-Air Vehicle Avionics (RAF)	Avionic Trade Training RJ Air Vehicle Q Annotation

310123	A4FTD30000A48AJ4AMP30000 ADVANCED WIRE MAINTENANCE COURSE	WAD B047 WAD B065	Wiring Husbandry Assessment PTT
310586	4FTD2A5X3B003J4AMP2A5X3 BB18A RC-135 RIVET GLASS COURSE	Q-A-RC135W- Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation
310811	4FTD2A5X3B J4AMP2A5X3BJ18A OC-135B PACER CRAG CRAFTSMAN COURSE	Q-A-RC135W- Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation

**Table A21.7. USAF Electronic Warfare (EW) Trade Cross Mapping Matrix.**

ITL Task / IMDS Course Code	Description	UK Auth Equivalent	Description
ITL 2A9X3X- 000	RC 135 EWS	ATAV Trade Training	Avionic Trade Training
ITL 2A9X3X- 005	RC 135 EWS		
ITL 2A9X3X- 010	2AX7X Aerospace Craftsman	Q-A-RC135W-Mission System (RAF)	RJ Mission System Q Annotation
7	QUAL C-135 FAM TRAINING	Q-A-RC135W-Mission System (RAF)	RJ Mission System Q Annotation
55	PROF JSTG TRAINING	Nil	Local Training Required
179	QUAL ANNUAL MAINT REFRESHER	Not Applicable	
457	QUAL 457 HANGAR DOOR OPER	Nil	Local Training Required
491	HANGAR DOOR OPERATION	Nil	Local Training Required
2093	CERT/AUTH SIGN ALL CONDITION TAGS	N/A	Not Applicable to RAF Personnel for co-manning
2099	CERT/AUTH SIGN NRTS ALL	N/A	Not Applicable to RAF Personnel for co-manning
2110	CERT/AUTH SIGN OFF CND	N/A	Any 3rd Sig 1st Occurrence
3750	CERT/CLEAR RED-X PAFSC EQUIP	N/A	Not Applicable to RAF Personnel for co-manning
3791	CERT TMDE CALIBRATE LIMITED APPR OFF-EQUIPMENT	N/A	Not Applicable to RAF Personnel for co-manning
6001	PADM AIRCRAFT FORMS DOC	Nil	Local Training Required
6096	PADM MISSION ORIENTATION	Nil	Local Training Required
10025	PMIL LMR OPERATOR		

11010	PROF ESD AWARENESS & CONTROL 001	WAD B126	ESSD
12002	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
12093	PSAF WARNING TAGS	N/A	Not Applicable to RAF Personnel for co-manning
12096	PSAF HANGAR FIRE SUPPRESS SYS	Nil	Local Training Required
16029	QAFT AIRCRAFT FAMILIARIZATION	ATAV Trade Training Q-A-RC135W-Mission System (RAF)	Avionic Trade Training RJ Mission System Q Annotation
29003	QOSH HANGAR DOOR AWARE INIT	Nil	Local Training Required
29041	AQOSH FIRE EXTINGUISHER TRAINING	Nil	Local Training Required
29111	QOSH HANGAR DOOR AWARE ANNUAL	Nil	Local Training Required
30002	QSEP MSEP EVAL 12 MONTH PE	N/A	Not Applicable to RAF Personnel for co-manning
32046	QUAL EMERGENCY GROUND EGRESS	Nil	Local Training Required
32380	CORROSION CONTROL	ATAV Trade Training	Avionic Trade Training
34013	FLIGHTLINE COMPETENCY CARD	Nil	Local Training Required
125004	2CBTCBTHIL I3ADU00TCB0002 CORROSION PREVENTION AND CONTROL	ATAV Trade Training Q-A-RC135W-Mission System (RAF)	Avionic Trade Training RJ Mission System Q Annotation
125046	2CBTCBTHILL C6ADO00TVT0821 DROPPED OBJECT PREVENTION	ATAV Trade Training Q-A-RC135W-Mission System (RAF)	Avionic Trade Training RJ Mission System Q Annotation
125047	2CBTCBTHILL C6ADO00TVT1762 FOREIGN OBJECT DAMAGE PREVENTION	ATAV Trade Training Q-A-RC135W-Mission System (RAF)	Avionic Trade Training RJ Mission System Q Annotation
125410	2CBTCBTHIL C2ADU35TVT6777 RC-135 EMERGENCY GROUND EGRESS	Nil	Local Training Required

**Table A21.8. UK Mechanical Trade Minimum Auth Level for Co-Manning.**

UK Auth	Description	ITL Equivalent	Description	Trade
MAMP-B211	Aircraft Fuelling	2A6X5-009 001.006.001 2A5X4-006 008.004 2A5X4-006 008.005	Perform Refuel / Defuel Refuel Aircraft Defuel Aircraft	HYD CC CC
MAMP-B213	1 <sup>st</sup> Signature	None		
MAM-P B215	Use of RVA	IMDS Course Codes 4099 5131 5132	Boroscope, Annual Boroscope, Initial Boroscope Proficiency	JE JE JE
MAM-P B216	Undertake cabin pressure testing	2A6X6-016 021.003	Perform Op Check	EE
MAM-P B218	Apply Elect Power	2A6X5-009 001.013 2A5X4-006 009.004.004	Apply Elect Power Apply Elect Power	HYD CC
MAM-P C307	Undertake Engine Operator Duties	IMDS Course Codes 3248 3250	Engine Run Engine Run Idle	JE, CC JE, CC

WAD B030	Manual Handling	None		
WAD B039	Mk 12 Hyd Rig	None		
WAD B042	Water Replenishment Trolley	None		
WAD B048	Wiring Husbandry Awareness	IMDS Course Code: 16115	Wire Chaffing awareness	JE, CC
WAD B218	60 / 90 KVA GPU	IMDS Course Code: 17050, 17088	-86 GPU B809A Generator	ALL
WAD B188	General Purpose Compressor	IMDS Course Code: 17029, 17063	AGE familiarization General purpose air compressor	HYD
WAD B189	Passenger Steps	None		ALL
WAD B190	Hylite	2A6X5-000 014.002.010 2A6X1-000 017.006.001.004 IMDS Course Code: 17143, 17271	Light Cart Operate Floodlight Set Floodlight 2/2D Lighttall	HYD JE
WAD B191	Manual scissor lift	None		
WAD B193	Toilet Replenishment Trolley	None		
WAD B214	Wing Grip	None		
WAD B215	RC 135W Aux Hyds	2A5X4-006 006.004.002 2A6X6-016 015 2A6X5-009 009.002 2A5X4-006 006.004.002	Operate Non-Engine Driven Pump Cargo Door Control & Warning Cargo Door Op Check Operate Non-Engine Driven Pump	AR EE HYD CC
WAD B216	RC 135W Cargo Door	2A5X4-006 002.003.002 2A6X6-016 015 2A6X5-009 009.002 2A5X4-006 002.003.002	Operate Cargo Door Cargo Door Control & Warning Cargo Door Op Check Operate Cargo Door	AR EE HYD CC
WAD B217	Decant LOX from trolley to aircraft	2A5X4-006 004.004.002	Service Liquid Oxygen	CC
WAD B222	Air Con GSE	2A6X5-000 014.002.007 2A5X4-006 011.001.002 IMDS Course Code: 17018, 17119	Air Conditioner Air Conditioner Ace Elec A/C Diesel Ace A/C	HYD CC
WAD B227	Decant LOX from USAF trolley to aircraft	2A5X4-006 004.004.002	Service Liquid Oxygen	CC
WAD B230	Ace-802-392s aircon/heater unit	2A6X5-000 014.002.007 2A6X5-000 014.002.009 IMDS Course 34031	Ground Heater Air Conditioner Ace-802-392s aircon/heater unit	HYD HYD
WAD B231	Train/test/ operate platform type B1-7	2A5X4-000 020.001 2A6X1-000 017.003	Maintenance Stands Personnel stands	CC JE
WAD B232	USAF -86 GPU	IMDS Course 17050	-86 GPU	All
WAD B233	USAF -95 AST	IMDS Course 17051	-95 AST	All
WAD B234	Operate liquid cooling ground support	2A6X6-016 024.006.003	Operate RSU	EE
JPA Competence Human Factors	Human Factors Foundation / Continuation	None		



Q-A-RC135W-Mechanical (RAF)	RJ Mechanical Q Annotation		(See Note 2)	
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**Table A21.9. (Added) UK Avionics Trade Minimum Auth Level for Co-Manning.**

UK Auth	Description	ITL Equivalent	Description	Trade
MAM-P B201	Load Keymat	2A9X1X-004 003.009.002	CRYPTO load	CN
MAM-P B213	1 <sup>st</sup> Signature	None	Full training required	All
MAM-P B216	Undertake cabin pressure testing	2A6X6-016 021.003	Perform Op Check	EE
MAM-P B218	Apply Elect Power	2A9X1X-004 002.003	Apply Elect Power	CN
MAM-P B221	Maintain ACFT Fibre Optics	2A9X1X-000 013.004.007	Fibre Optics	CN
MAM-P C325	Insert Controlled Forms	None	Full training required	All
WAD B012	Hoists and gantries	None	Full training required	All
WAD B030	Manual Handling	2A9X1X-000 003.018	Heavy Lifting	CN
WAD B036	Dehumidifier	2A9X1X-000 012.007.002 2A9X2X-000 012.014.002	Heater Heater	CN IF C
WAD B047	Wiring Husbandry Assessment	2A9X1X-000 019 2A6X6-000 011.005 2A9X2X-000 027 & 028	Wire Maintenance Aircraft Wiring & Solderless Connectors	CN EE IF C
WAD B048	Wiring Husbandry Awareness	2A9X1X-000 019 2A6X6-000 011.005 2A9X2X-000 027 & 028	Wire Maintenance Aircraft Wiring & Solderless Connectors	CN EE IF C
WAD B065	PTT	2A9X1X-000 020	Perform Wire Maint	CN
		2A6X6-000 011.004 2A6X6-000 011.005 2A9X2X-000 027 & 028	Solderless Electrical Connectors Wire Maintenance Aircraft Wiring & Solderless Connectors	EE EE IF C
WAD B126	ESSD	2A6X6-000 013.007 IMDS Course 11010	ESD ESD Awareness & Control	EE All
WAD B186	60 / 90 KVA GPU	None	Full training required	All
WAD B189	Passenger Steps	None	Full training required	All
WAD B190	Hylite	2A9X1X-000 012.007.004 2A9X2X-000 012.014.004	Light Cart Light Cart	CN IF C
WAD B191	Manual scissor lift	None	Full training required	All
WAD B214	Wing Grip	None	Full training required	All

WAD B215	RC 135W Aux Hyds	2A9X1X-004 002.005 2A6X6-016 015 2A9X2X-004 002.006	Operate Cargo Door Cargo Door Control & Warning Operate Cargo Door	C N EE IFC
WAD B216	RC 135W Cargo Door	2A9X1X-004 002.005 2A6X6-016 015 2A9X2X-004 002.006	Operate Cargo Door Cargo Door Control & Warning Operate Cargo Door	CN EE IF C
WAD B222	Air Con GSE	2A9X1X-000 012.007.003 2A9X2X-000 012.014.003	Air Conditioner Air Conditioner	CN IF C
WAD B230	Ace-802- 392s aircon/heate r unit	2A9X1X-000 012.007.002 2A9X2X-000 012.014.002	Heater Heater	CN IF C
WAD B231	Train/test/ operate platform type B1-7	2A9X1X-000 012.008 2A9X2X-000 012.015	B1 to B7 B1 to B7	CN IF C
WAD B232	USAF -86 GPU	IMDS ITRN 17050	-86 GPU	All
WAD B233	USAF -95 AST	IMDS ITRN 17051	-95 AST	All
WAD B234	Operate liquid cooling ground support	2A6X6-016 024.006.003	Operate RSU	EE
JPA Competenc e Human Factors	Human Factors Foundation / Continuatio n	None	MAA Wavier or training (See Note 1)	All
Q-A- RC135W- Air Vehicle Avionics (RAF)	RJ Air Vehicle Q Annotation	2A9X2X-000 2A9X2X-004 2A6X6-000 2A6X6- 016 WJQS 35977 2A9X1X -000 2A9X1X-004 WJQS 35940	Instruments / Autopilot (GAC / GC / IFC) Electrical / Environmental (E/E)  Comms / Nav (C/N)  (See Note 3)	

**Table A21.10. UK Mission Trade Minimum Auth Level For Co-Manning.**

UK Auth	Description	ITL Equivalent	Description	Trade
MAM-P B201	Load Keymat	ITL 2A9X3-005 004.003	Cryptological Systems	EW
MAM-P B213	1 <sup>st</sup> Signature	None	Full training required	EW
MAM-P B218	Apply Elect Power	ITL 2A9X3-000 015.004	Apply External Power	EW

MAM-P B221	Maintain ACFT Fibre Optics	ITL 2A9X3-000 018.008	Fibre Optics	EW
MAM-P C325	Insert Controlled Forms	None	Full training required	EW
WAD B030	Manual Handling	None	Full training required	EW
WAD B047	Wiring Husbandry Assessment	ITL 2A9X3-000 018 ITL 2A9X3-000 019	Aircraft wiring and transmission lines Perform wire maintenance	EW
WAD B048	Wiring Husbandry Awareness	ITL 2A9X3-000 018 ITL 2A9X3-000 019	Aircraft wiring and transmission lines Perform wire maintenance	EW
WAD B065	PTT	ITL 2A9X3-000 019.011	Solderless Connectors	EW
WAD B126	ESSD	ITL 2A9X3-000 014.007	Protect Electrostatic Devices	EW
WAD B218	60 / 90 KVA GPU	None	Full training required	EW
WAD B189	Passenger Steps	None	Full training required	EW
WAD B214	Wing Grip	None	Full training required	EW
WAD B215	RC 135W Aux Hyds	None	Full training required	EW
WAD B216	RC 135W Cargo Door	None	Full training required	EW
WAD B222	Air Con GSE	ITL 2A9X3-000 015.016.003	Air Conditioner	EW
WAD B230	Ace-802-392s aircon/heater unit	ITL 2A9X3-000 015.016.002	Heater	EW
WAD B232	USAF -86 GPU	IMDS ITRN 17050	-86 GPU	EW
WAD B233	USAF -95 AST	IMDS ITRN 17051	-95 AST	EW
WAD B234	LCS Ground Supply Cart	IMDS ITRN 17212	LCS Ground Supply Cart	EW
JPA Competence Human Factors	Human Factors Foundation / Continuation	None	MAA Wavier or training (See Note 1)	EW
Q-A-RC135W-Mission System (RAF)	RJ Mission System Q Annotation	ITL 2A9X3X-000 ITL 2A9X3X-005 ITL 2A9X3X-010	RC 135 EWS RC 135 EWS 2AX7X Aerospace Craftsman	EW