

W5 Aviation LLC Aircraft Technical Records Audit

Dear valued customer

W5 Aviation LLC is pleased to offer support with your aircraft documentation needs. We have gained extensive experience in auditing, and where necessary correcting, the technical history files of various aircraft types during pre-purchase inspections, in preparation for an Airworthiness Review or as part of the registration and/or operator change process.

The goal of every documentation audit is to provide the client with an accurate status of the aircraft records in respect to the aircraft history, component inventory, modification and maintenance status. The information provided in our clear and structured reports will help the owner, operator or prospective buyer to make the right decisions or plan the action needed.

Every review has a different focus depending on the clients requirements. In order to meet these individual needs W5 Aviation has introduced three different audit levels:

Level 1 Audit

Scope:

The following will be reviewed by means of sampling:

- ✓ Aircraft records inventory;
- ✓ Aircraft Documents (CofA, CofR, W&B etc.)
- ✓ Owner and operator history;
- ✓ Power by the hour programs status;
- ✓ General maintenance status data and due projection;
- ✓ Review of upcoming major maintenance tasks;
- ✓ Major Modification Status;
- ✓ Damage history as provided by current owner;
- ✓ Major MRO work reports;
- ✓ Compliance with current equipment requirements (i.e. Eurocontrol mandates).

Level 1 designed for:

- Owner/Operator change of new aircraft with a maximum of 2 years time in service;
- Identification of suitable aircraft during a selection process for purchase;
- Bank or Lease Audit.

Estimated Effort: 2 days including survey and reporting.

Level 2 Audit

Scope:

The following will be reviewed by means of sampling:

- ✓ Aircraft records inventory;
- ✓ Aircraft Documents (CofA, CofR, W&B etc.);
- ✓ New aircraft delivery documentation;
- ✓ Owner and operator history;
- ✓ Power by the hour programs status;
- ✓ General maintenance status data and due projection;
- ✓ Review of upcoming major maintenance tasks;
- ✓ Airworthiness Directive Status;
- ✓ Major Modification Status and availability of certification data;
- ✓ Service Bulletin Status with a focus on mandatory SBs;
- ✓ Life Limited Parts Status;
- ✓ Compliance with OEM & supplemental maintenance requirements;
- ✓ MRO maintenance reports for completeness;
- ✓ Quality of data on electronic maintenance tracking program;
- ✓ Compliance with current equipment requirements (i.e. Eurocontrol mandates).

The following will be reviewed by a detailed inspection of the aircraft, engine and APU log books:

- ✓ Damage history;
- ✓ Major maintenance events history (repairs, repainting, interior refurbishments etc.).

Level 2 designed for:

- Preliminary Pre-Purchase Inspection;
- Definition of physical Pre-Purchase Inspection Scope;
- Operator change;
- Preparation for Airworthiness Review;
- For owners who intend to sell;
- Aircraft currently in controlled environment and/or commercially operated;
- Aircraft with a valid CofA/Airworthiness Review Certificate.

Estimated Effort: 4-5 days including survey and reporting.

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Level 3 Audit

Scope:

The following will be verified by a comprehensive review of all available data (hard copy and electronic):

- ✓ Aircraft records inventory;
- ✓ Aircraft Documents (CofA, CofR, W&B etc.)
- ✓ New aircraft delivery documentation for completeness;
- ✓ Owner and operator history;
- ✓ Power by the hour programs status;
- ✓ General maintenance status data and due projection;
- ✓ Review of upcoming major maintenance tasks and life limits;
- ✓ Airworthiness Directive Status;
- ✓ Major Modification Status including availability and completeness of certification data;
- ✓ Service Bulletin Status;
- ✓ Life Limited Parts Status and presence of parts certification;
- ✓ Compliance with OEM & supplemental maintenance requirements;
- ✓ Validity and completeness of data on electronic maintenance tracking program with a focus on scheduled maintenance, AD compliance, life limited parts;
- ✓ Damage history;
- ✓ Major maintenance events history (repairs, repainting, interior refurbishments etc.);
- ✓ MRO maintenance reports for completeness (compliance records, release certification);
- ✓ Compliance with current equipment requirements for country of intended registration.

Level 3 designed for:

- Pre-Purchase Inspection;
- Aircraft with 10+ years time in service;
- Aircraft currently not in controlled environment and/or privately operated;
- Aircraft without a valid CofA/Airworthiness Review Certificate;
- Aircraft currently in long-term storage.

Estimated Effort: 8 - 14 days including survey and reporting (depending on condition of records).

Pre-Purchase Inspection Report Review

Scope:

The following will be reviewed as a minimum:

- ✓ Completion of all inspection tasks as per work scope;
- ✓ Correctness and completeness of work report;
- ✓ Inspection findings ;
- ✓ Evaluation of inspection findings in respect to the purchase/trade
- ✓ Identification of inspection findings affecting airworthiness;
- ✓ Identification of inspection findings affecting the future registration;
- ✓ Part 145 Proposals for rectifications in regards to scope, cost and leadtime.

PPI Review designed for:

- Representing the client's interests in respect to the contract;
- Confirming the eligibility of the findings in respect to airworthiness and contract;
- Minimizing cost for rectifications.

A report will be issued including general comments and recommendations especially in respect to the findings and associated rectifications.

Estimated Effort: 2 days including review and reporting.

Please refer to next page for an outline of additional services we can offer relating to the Technical Records Review Levels 1-3 and the Pre-Purchase Inspection Report Review.

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Follow-up Services

The following services can be offered as required by the customer. The work will be invoiced as per result:

Monitoring of corrective action

W5 Aviation will follow up the corrections of all discrepancies identified during the technical records audit. Performed corrections for each finding will be reviewed and accepted. This task includes liaison between the aircraft owner, operator and buyer as applicable. If desired we can also actively support the corrective action effort in cooperation with the operator/owner (i.e. electronic files updates, organizing the records, locating missing documentation etc.).

Recovery of missing records

Aircraft with missing, incomplete or false records will not pass an Airworthiness Review, neither can they be marketed at the true value. W5 Aviation has experience in recovering missing data and complementing fragmentary files. We also have successfully reconstructed missing records under FAA AC43-9C and EASA AMC M.A.305(H).

Monitoring of technical Pre-Purchase Inspection findings rectifications

The rectification action carried out by the contracted Part 145 organization will be monitored for quality, proper documentation, lead time and adherence to cost budget.

Inventory and Technical History Files Reorganization

All records are sorted chronologically and the filing system optimized if necessary. A master inventory will simplify the localization of an individual record in the future. If requested, all or selected technical records will be scanned and organized in electronic format.

Please refer to our separate "Aircraft Records Management" brochure for further information.

Please don't hesitate to contact us for a proposal tailored to your specific requirements.



Lukas Weiss
Director
W5 Aviation LLC