

Intro to AEG

 **Fort Worth AEG** 

INTRODUCTION TO AEG

- FORT WORTH AIRCRAFT EVALUATION GROUP (FTW-AEG) IS A FLIGHT STANDARDS DISTRICT OFFICE
- AND -----
- THE LIAISON BETWEEN FLIGHT STANDARDS OFFICES AND AIRCRAFT CERTIFICATION OFFICES

 **Fort Worth AEG** 

INTRODUCTION TO AEG

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graph TD; AA["ASSOCIATE ADMINISTRATOR FOR REGULATIONS & CERTIFICATION"] --> ACS["AIRCRAFT CERTIFICATION SERVICE"]; AA --> FSS["FLIGHT STANDARDS SERVICE"]; ACS --> RD["ROTORCRAFT DIRECTORATE"]; RD --> RCO["ROTORCRAFT CERTIFICATION OFFICE"]; FSS --> ASW["ASW-200"]; ASW --> FWA["FORT WORTH AEG"];
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Intro to AEG

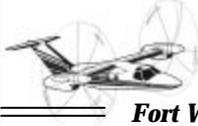
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|  | INTRODUCTION TO AEG |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• AIRCRAFT EVALUATION GROUP OFFICES<ul style="list-style-type: none">– * SEATTLE AEG - RENTON, WA<ul style="list-style-type: none">• TRANSPORT AIRPLANES– LONG BEACH AEG - LAKEWOOD, CA<ul style="list-style-type: none">• TRANSPORT AIRPLANES– * BOSTON AEG - BURLINGTON, MA<ul style="list-style-type: none">• ENGINES & PROPELLERS– * KANSAS CITY AEG - KANSAS CITY MO<ul style="list-style-type: none">• SMALL AIRPLANES, AIR SHIPS, GLIDERS– * FORT WORTH AEG - FORT WORTH TX<ul style="list-style-type: none">• ROTORCRAFT & POWERED LIFT AIRCRAFT | | |

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|  | INTRODUCTION TO AEG |  |
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| <ul style="list-style-type: none">• LEAD AEG OFFICES ARE CO-LOCATED WITH THE APPROPRIATE DIRECTORATES:<ul style="list-style-type: none">– SEATTLE AEG - TRANSPORT– BOSTON AEG - ENGINE & PROPELLER– KANSAS CITY AEG - SMALL AIRPLANE– FORT WORTH AEG - ROTORCRAFT | | |

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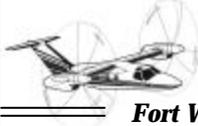
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|  | ORDERS RELATING TO AEG |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• 1100.5C AIRCRAFT CERTIFICATION DIVISION• 8000.51 AIRCRAFT CERTIFICATION DIRECTORATES• 8100.5 AIRCRAFT CERTIFICATION DIRECTORATES PROCEDURES.• 8110.4A TYPE CERTIFICATION PROCESS.• 8110.ICA Guidance for ICA process (NEW)• 8300.10 AIRWORTHINESS INSPECTOR HANDBOOK.• 8400.10 AIR TRANSPORTATION OPERATIONS INSPECTOR HANDBOOK. | | |

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|  | ORDERS RELATING TO AEG |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• 8430.21A FLIGHT STANDARDS DIVISION, AIRCRAFT CERTIFICATION DIVISION AND AIRCRAFT EVALUATION GROUP RESPONSIBILITIES.• 8430.22 FLIGHT OPERATIONS POLICY STANDARDIZATION PROGRAM.• 8700.1 GENERAL AVIATION OPERATIONS INSPECTOR'S HANDBOOK. | | |

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|  | OTHER DOCUMENTS RELATING TO AEG |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• N8110.74 STANDARDIZED CERTIFICATION PROJECT NOTIFICATION AND ELECTRONIC DISTRIBUTION.• M8040.1 AIRWORTHINESS DIRECTIVE MANUAL. | | |

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|  | FTW-AEG FUNCTIONS |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• FTW-AEG FUNCTIONS ARE IN THREE GENERAL AREAS:<ul style="list-style-type: none">– CONTINUED OPERATIONAL SAFETY– CERTIFICATION– POST CERTIFICATION<ul style="list-style-type: none">• (M) MAINTENANCE FUNCTIONS• (O) OPERATIONS FUNCTIONS• (M&O) BOTH MAINTENANCE & OPERATIONS FUNCTIONS | | |

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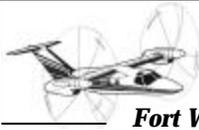
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|  | CONTINUED OPERATIONAL SAFETY |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• AIRWORTHINESS DIRECTIVE REVIEW - (M).• PARTICIPATE IN AIRWORTHINESS DIRECTIVE BOARD - (M) .• SERVICE DIFFICULTY REPORT REVIEW - (M).• MALFUNCTION DEFECT REPORT REVIEW- (M).• PROVIDE TECHNICAL ASSISTANCE TO NTSB, ACO, AND FSDO REGARDING ACCIDENTS, INCIDENTS, MALFUNCTIONS OR DEFECTS - (M&O). | | |

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|  | CONTINUED OPERATIONAL SAFETY |  |
| Fort Worth AEG | | |
| <ul style="list-style-type: none">• RECOMMEND CHANGES TO INSTRUCTIONS FOR CONTINUED AIRWORTHINESS (ICA) AS RESULT OF AN ACCIDENT, INCIDENT, MALFUNCTION OR DEFECT - (M).• RECOMMEND CHANGES TO ROTORCRAFT FLIGHT MANUALS AS RESULT OF AN ACCIDENT, INCIDENT, MALFUNCTION OR DEFECT - (O).• PARTICIPATE IN CERTIFICATION REVIEW - (M&O). | | |

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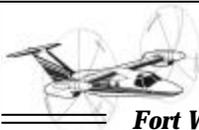


CONTINUED OPERATIONAL SAFETY



Fort Worth AEG

- PARTICIPATE IN SPECIAL INSPECTIONS - (M&O).
- PARTICIPATE IN AUDITS/ACESP (AS REQUESTED) - (M).
- PARTICIPATE IN DEVELOPMENT OF:
 - DIRECTIVES - (M&O).
 - POLICY - (M&O).
 - GUIDANCE MATERIAL - (M&O).



CERTIFICATION



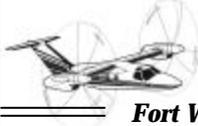
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- PARTICIPATE IN EARLY NOTIFICATION MEETINGS - (M&O).
- PARTICIPATE IN PRELIMINARY TYPE CERTIFICATION BOARD MEETINGS - (M&O).
- CONDUCT MAINTENANCE MEETING WITH APPLICANTS - (M).
- CONDUCT OPERATIONS MEETING WITH APPLICANTS - (O).
- DEVELOP AEG MAINTENANCE ISSUE PAPERS - (M).
- DEVELOP AEG OPERATIONS ISSUE PAPERS - (O).

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|  | CERTIFICATION |  |
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| <ul style="list-style-type: none">• PARTICIPATE IN INTERIM TYPE CERTIFICATE BOARD MEETING - (M&O).• PROVIDE GUIDANCE MATERIAL - (M&O).<ul style="list-style-type: none">– INSTRUCTIONS FOR CONTINUED AIRWORTHINESS SAMPLE MANUAL.– SAMPLE MASTER MINIMUM EQUIPMENT LIST.• REVIEW ROTORCRAFT FLIGHT MANUALS AND FLIGHT MANUAL SUPPLEMENTS - (O).• CONDUCT FLIGHT COMPARTMENT EVALUATION - (O).• CHAIRPERSON MAINTENANCE REVIEW BOARD - (M). | | |

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|  | CERTIFICATION |  |
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| <ul style="list-style-type: none">• PARTICIPATE IN MAINTENANCE REVIEW BOARD - (M).• REVIEW AND EVALUATE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS - (M).• REVIEW THE AIRCRAFT'S LIST OF REQUIRED EQUIPMENT - (M&O).• RECEIVE TRAINING ON AIRCRAFT AND AIRCRAFT SYSTEMS - (M&O).• EVALUATE MAINTENANCE TRAINING PROGRAM - (M).• EVALUATE PILOT TRAINING PROGRAM - (O). | | |

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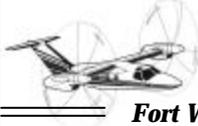
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|  | CERTIFICATION |  |
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| <ul style="list-style-type: none">• CONDUCT AN AIRCRAFT MAINTAINABILITY EVALUATION - (M).• EVALUATE SPECIAL INSTALLATIONS - (M).• FUNCTION & RELIABILITY FLYING - (O).• REVIEW PROPOSED MASTER MINIMUM EQUIPMENT LIST - (M&O).• EVALUATE PROPOSED MAINTENANCE “(M)” SYMBOLS IN MASTER MINIMUM EQUIPMENT LIST - (M). | | |

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|  | CERTIFICATION |  |
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| <ul style="list-style-type: none">• EVALUATE PROPOSED OPERATIONS “(O)” SYMBOLS IN MASTER MINIMUM EQUIPMENT LIST - (O).• EVALUATE EMERGENCY EVALUATION DEMONSTRATION - (M&O).• DEVELOP MAINTENANCE PROCEDURE GUIDANCE FOR “(M)” SYMBOLS - (M).• DEVELOP OPERATIONS PROCEDURES GUIDANCE FOR “(O)” SYMBOLS - (O). | | |

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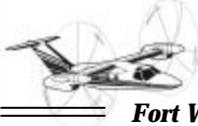
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| <ul style="list-style-type: none">• FLIGHT OPERATIONS EVALUATION BOARD CHAIRPERSON - (O).• PARTICIPATE IN FLIGHT OPERATIONS EVALUATION BOARD - (M&O).• PARTICIPATE IN FINAL TYPE CERTIFICATION BOARD MEETINGS - (M&O).• REVIEW TYPE CERTIFICATE DATA SHEETS FOR MAINTENANCE AND OPERATIONS ISSUES - (M&O). | | |

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|  | POST CERTIFICATION |  |
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| <ul style="list-style-type: none">• REVIEW ALTERNATE MEANS OF COMPLIANCE FOR AIRWORTHINESS DIRECTIVES - (M).• RESPOND TO NTSB RECOMMENDATIONS - (M&O).• RESPOND TO FAA SAFETY RECOMMENDATIONS - (M&O).• PROVIDE LIAISON BETWEEN FLIGHT STANDARDS OFFICES AND AIRCRAFT CERTIFICATION OFFICES REGARDING CONTINUED OPERATIONAL SAFETY AND CERTIFICATION ISSUES - (M&O). | | |

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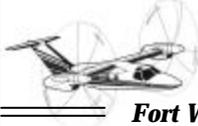
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|  | POST CERTIFICATION |  |
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| <ul style="list-style-type: none">• PROVIDE TECHNICAL ASSISTANCE TO FSDO AND ACO REGARDING MAINTENANCE AND OPERATIONAL ISSUES RELATING TO CERTIFICATION - (M&O).• PARTICIPATE IN MAINTENANCE REVIEW BOARD POLICY BOARD - (M).• PARTICIPATE IN FLIGHT OPERATIONS EVALUATION POLICY BOARD - (O).• CHAIRPERSON FLIGHT STANDARDIZATION BOARD - (O).• PARTICIPATE IN FLIGHT STANDARDIZATION BOARD - (O). | | |

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|  | POST CERTIFICATION |  |
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| <ul style="list-style-type: none">• COORDINATE WITH NATIONAL SIMULATOR EVALUATION TEAM ON SIMULATOR & TRAINING DEVICES - (O).• PARTICIPATE IN SPECIAL PROJECT - (M&O).• REVIEW REVISION TO FAA ACCEPTED INSTRUCTION FOR CONTINUED AIRWORTHINESS - (M).• REVIEW AND EVALUATE MANUFACTURER'S SERVICE BULLETIN - (M).• REVIEW REVISIONS TO FLIGHT MANUALS AND FLIGHT MANUAL SUPPLEMENTS - (O). | | |

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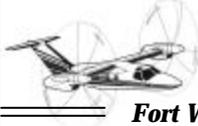
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|  | POST CERTIFICATION |  |
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| <ul style="list-style-type: none">• REVIEW REVISION TO MASTER MINIMUM EQUIPMENT LIST - (M&O).• REVIEW AND COMMENT ON PROPOSED REGULATIONS, ORDERS, POLICY, ADVISORY CIRCULAR, ETC.. - (M&O).• OTHER FUNCTIONS ASSIGNED - (M&O). | | |

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| <p style="text-align: center;">ICA PROCESS</p> <ul style="list-style-type: none">• Applicant submits project to local ACO• Local ACO forwards to responsible AEG office• AEG office reviews the ICA for acceptability• AEG works directly with applicant during review• AEG submits final accepted ICA to ACO• ACO sends ICA to applicant after review of Airworthiness Limitations | | |

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| ICA PROCESS CONTINUED APPLICATION PACKAGE | | |
| <ul style="list-style-type: none">• Applicant should present an ICA that follows the FORMAT in Order 8110.ICA• The ICA must contain a method of page control• The Airworthiness Limitations Section is a separate part that is reviewed by the ACO and is approved• The AEG accepts the ICA and if determined to be complex, the AEG may conduct a “Maintainability” review• Upon complete review, acceptance and approval the package will be returned to the applicant by the ACO | | |

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| ICA PROCESS CONTINUED PROCESS | | |
| <ul style="list-style-type: none">• ACO issues a Control Process Number CPN and forwards to AEG• AEG issues its own control number, reviews and works with applicant directly for any corrections and returns the package to ACO• ACO reviews Airworthiness Limitation Section• ACO returns package to applicant• ACO and AEG track the project through all phases and work closely with all parties for completion | | |

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| <p>ICA PROCESS CONTINUED PROCESS</p> <ul style="list-style-type: none">• Most ICA's are associated with an STC or TC project• There are other certification processes that also require an ICA• Examples include Military Restricted category rotorcraft, Flight Standards Field Approval, or modification to an existing TC or STC that had not previously had an ICA and any other certification deemed appropriate to the regulations | | |

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| <p>QUESTION?</p> | | |