



Field Approval Process Improvement

October 2002



Topics

- Background
- FAPIT Recommendations
- Status
- 8300.10 Volume 2, Chapter 1
- M-DAR



Background

- ✈ In December of 1999 AFS and AIR formed a Field Approval Process Implementation Team (FAPIT) to address standardization and efficiency issues with the Form 337 process.
- ✈ In January 2001 the team issued the FAPIT Report which had recommendations in 5 key areas of the process, training, guidance and policy, delegation, and continuous improvement.
- ✈ AFS and AIR have completed prototype programs at Gulfstream Aerospace Inc., Duncan Aviation, & Garrett Aviation.



FAPIT Recommendations

- ➔ The recommendations included:
- a) a clearly defined Process Flow Chart,
 - b) installation of a Management DAR,
 - c) utilization of an STC list to discern what projects should be deferred to the ACO as an STC project,
 - d) establishment of “Centers of Excellence” for specific disciplines of alteration expertise.
 - e) Review of the authorizations of inspectors in the field to reflect their expertise and experience level;
 - f) Review of present training available for the inspectors, industry, and MDAR designees;



FAPIT Recommendations

- g) cross training for inspectors and ACO engineers to attend certification, manufacturing, and alterations courses respectively; and
- h) creation of a new course for the new program

✈ With regard to delegation the FAPIT Report recommended that:

- a) A new designee, Management Designated Airworthiness Representative, M-DAR, be created;
- b) Update Orders 8110.37 and 8100.8A to reflect changes in the 337 process and designees; and
- c) Establish a criteria for need of MDAR's in terms of numbers and specialties as well as inspector and ACO support staff.



Status

- ✈ The M-DAR prototype continued through March 2002
- ✈ The revised STC List has evolved and has been issued in an HBAW and will be in Change 15 of the 8300.10
- ✈ Centers of Excellence will be defined and ASI's identified
- ✈ The ASI review which is being coordinated through a PASS P.F.S. workgroup
- ✈ Review of training Course 21811 by an AFS-500 workgroup has begun.
- ✈ Cross training of Flight Standards and Aircraft Certification personnel is in place.



8300.10

Volume 2 Chapter 1

- ✈ Issued as an HBAW to ensure timely issuance
- ✈ The STC List is now a list of alterations that are not eligible for field approval.
- ✈ The use of DER data is addressed
- ✈ ICAs are now included in the Chapter, with the ICA checklist incorporated
- ✈ 14CFR 121 Aircraft are no longer eligible for field approvals



8300.10

Volume 2 Chapter 1

- ✈ A decision tree flow chart has been included
- ✈ Multiple field approvals are no longer allowed
- ✈ Conversion of aircraft from passenger carrying to cargo or combi configuration are no longer allowed



M-DAR

- ✈ M-DAR function code have been determined and has been published as a notice in the Federal Register for comments. Disposition of the comments has been completed
- ✈ M-DAR guidance for inclusion in Order 8100.8A is complete.
- ✈ M-DAR guidance will be added to the ASI Handbook, Volume 2, Chapter 1.
- ✈ An Advisory Circular is being completed and will be published in conjunction with updated guidance.



M-DAR OPTION

