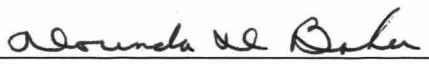



The Federal Aviation Administration (FAA) and AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRASIL, GERÊNCIA GERAL DE CERTIFICAÇÃO DE PRODUTOS AERONÁUTICOS (ANAC-GGCP) have agreed to a process for technical assistance for the production surveillance of The General Electric Company (GE) facility located at GE-Celma in Petropolis, Brazil. ANAC-GGCP will assist the FAA in the production surveillance at the GE-Celma production certificate extension.

Attached is the management plan detailing this special arrangement. Any further clarifications or revision to this document will only be made after consultation with both authorities.

Approved: 
Director, Aircraft Certification Service
AIR-1

Date: 4/9/11

Concur: 
Superintendente de Aeronavegabilidade, AGÊNCIA NACIONAL DE
AVIAÇÃO CIVIL – BRASIL, GERÊNCIA GERAL DE CERTIFICAÇÃO DE
PRODUTOS AERONÁUTICOS (ANAC-GGCP)

Date: 5/9/2011

**Federal Aviation Administration (FAA) / Agência Nacional de Aviação
Civil/GERÊNCIA GERAL DE CERTIFICAÇÃO DE PRODUTOS AERONÁUTICOS
(ANAC-GGCP) Management Plan**

**Production Surveillance of The General Electric Company (GE) facility located at
GE-Celma in Petropolis, Brazil**

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CHAPTER 1: INTRODUCTION

1.1 PURPOSE

The Federal Aviation Administration (FAA) has agreed to permit The General Electric Company (GEC) to produce engines in Brazil by extending its Production Certificate (PC) to include their GE-Celma facility. The PC extension will be executed once it has been determined by an FAA Manufacturing Inspection District Office (MIDO) that the facility is in compliance with The General Electric Company quality and engineering requirements and the applicable United States Code of Federal Regulations.

The purpose of this document is to define the process by which the AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRASIL, GERÊNCIA GERAL DE CERTIFICAÇÃO DE PRODUTOS AERONÁUTICOS (ANAC-GGCP) will provide technical assistance to the FAA for production surveillance at GE-Celma located at Rua Alice Herve, 356, Petropolis, Brazil, 25669-900. This plan has been developed in accordance with the Government of the United States of America and the Government of the Brazil Bilateral Aviation Safety Agreement (BASA) and Implementation Procedures (IP) Revision 1 dated September 8, 2006.

1.2 BACKGROUND

The General Electric Company has applied to the FAA to amend their PC 108 in order to manufacture products at the GE-Celma facility. All articles will be shipped from other GE locations under GE PC 108 to the GE-Celma facility where engines will be completely assembled, tested, and shipped under the GE PC 108, PC Extension. Subsequent to the amendment of the PC, GE-Celma will apply for FAA designees to be located at the GE-Celma facility to export CF-34-10E and CF-34-8E engines and articles under the oversight of the FAA.

The General Electric Company remains fully responsible for GE-Celma. This responsibility includes the accountability for part design, manufacture, test, suppliers, and continuing airworthiness of their products.

The FAA will perform the MIDO audit of the GE-Celma facility in Petropolis, Brazil. The FAA will conduct the audit to determine if the facility is in compliance with GE- Celma quality and engineering requirements and the United States Code of Federal Regulations.

The current FAA/ANAC IP does not include aircraft engines. Familiarization training and special arrangements with the ANAC-GGCP are necessary due to the need for the use of FAA policy, procedures, and forms for documentation of the certificate management activities conducted on behalf of the FAA by ANAC. The FAA will provide familiarization training for ANAC-GGCP during the MIDO audit and at any other time deemed necessary by the FAA and ANAC.

After The General Electric Company PC is amended to add the GE-Celma facility, the Vandalia MIDO will perform certificate management with assistance from the ANAC-GGCP in accordance with the most current release of FAA Order 8120.2, *Production Approval and Certificate Management Procedures*.

CHAPTER 2: RESPONSIBILITIES

2.1 FAA RESPONSIBILITIES

- a. The FAA is responsible for any surveillance necessary, including all certificate management activities, any compliance and enforcement investigations and any suspected unapproved parts investigations at the GE-Celma facility. FAA Vandalia, Ohio, MIDO is responsible for any surveillance necessary to ensure that The General Electric Company is in compliance with Title 14 of the Code of Federal Regulations (14 CFR) §21.165. The FAA reserves the right to conduct designee management, service difficulty investigation, and any other activities necessary in order to fulfill its statutory responsibilities.
- b. Each FAA request to the ANAC-GGCP for technical assistance beyond the scope of this management plan will be in writing to the ANAC-GGCP point of contact listed in Appendix 1. The request will include sufficient details regarding the support needed, the process to be used, the specific data to be gathered for input into the FAA's certificate management system, and the timeframe for the activity so that the ANAC-GGCP is able to successfully carry out the request on FAA's behalf. These requests may be communicated electronically.
- c. The FAA will determine the need for Aircraft Certification Systems Evaluation Program (ACSEP) evaluations, product audits, designee management, unscheduled quality control system evaluations, and any investigation activity necessary to ensure continued compliance with all applicable regulatory requirements, and may request ANAC-GGCP assist conducting these activities.
- d. In a request for technical assistance, the FAA will notify the ANAC-GGCP of any required procedures and documentation associated with a specific task. The FAA will perform certificate management with assistance from the ANAC-GGCP in accordance with the latest issuance of FAA Order 8120.2 *Production Approval and Certificate Management Procedures*.
- e. The FAA will inform the ANAC-GGCP of any changes to The General Electric Company's PC, or production activities at GE-Celma that may affect any technical assistance activities being conducted by ANAC-GGCP on behalf of the FAA.

- f. The FAA will inform the ANAC-GGCP of any changes in FAA regulations, policy or guidance that may affect the continued surveillance activities at GE-Celma.
- g. The FAA will investigate regulatory violations, and implement compliance and enforcement action as necessary per FAA Order 2150.3, *Compliance and Enforcement Program*. The FAA will take appropriate compliance and enforcement action against The General Electric Company for any noncompliance detected at GE-Celma as necessary per FAA Order 2150.3, *Compliance and Enforcement Program*.
- h. The FAA will notify ANAC-GGCP of all visits by FAA personnel associated with this project.
- i. As necessary or as requested, the FAA will provide practical training, and/or provide information to the ANAC-GGCP on the quality system processes at The General Electric Company related to conducting product audits/ or inspections at GE-Celma.

2.2 ANAC-GGCP RESPONSIBILITIES

- a. ANAC-GGCP will acknowledge each FAA request beyond the scope of this management plan for technical assistance, in writing, to the FAA point of contact listed in Appendix 1, confirming that ANAC-GGCP can undertake the specific request on FAA's behalf. The ANAC-GGCP will also acknowledge the receipt, in writing, of any other information sent by the FAA regarding GE-Celma. These acknowledgements may be made electronically.
- b. ANAC-GGCP will conduct semi-annual oversight to include product audits/inspections of the manufacturing activity at GE-Celma on behalf of the FAA in accordance with FAA Order 8120.2, *Production Approval and Certificate Management Procedures*.
- c. ANAC-GGCP will use FAA procedures for certificate management activities.
- d. As requested, ANAC-GGCP will provide assistance with conducting investigations of service difficulties at GE-Celma facilities, will verify the implementation of FAA approved actions, and will verify the implementation of changes, as notified, to the FAA-accepted quality control system.
- e. For each request from the FAA, the ANAC-GGCP will place special emphasis on:

1. GE-Celma controls on design/configuration changes;
 2. GE-Celma use of approved suppliers at the facility; and
 3. Conducting product audit/inspections of completed or in-process assemblies, to include special process audits and witnessing re-inspection conducted by GE-Celma personnel of completed assemblies.
- f. The ANAC-GGCP will provide reports to the FAA point of contact identified in Appendix 1 of this document as soon as possible after the completion of each requested task. The ANAC-GGCP will provide reports using the forms specified in Appendix 3.
- g. ANAC-GGCP will place special emphasis during semi-annual oversight on:
1. Monitoring controls on special manufacturing processes.
 2. Conducting product audits/inspections of completed or in-process parts and assemblies, to include witnessing re-inspections conducted by GE-Celma of completed assemblies.
 3. Performing follow-up on corrective action to ensure that they have been completed.
 4. Evaluating the implementation of FAA approved quality system changes.
 5. Conducting investigations of service difficulties, including witnessing teardown inspections of engine components produced by GE-Celma, as requested.
 6. Monitoring technical data control to ensure that only the required revision level of FAA approved design data is available to production inspection personnel.
- h. ANAC-GGCP will provide information to the FAA on any significant GE-Celma organizational changes observed during the oversight activities.
- i. ANAC-GGCP will notify the FAA of any nonconforming parts produced at GE-Celma using the most expeditious means of communication (e.g., electronic mail, facsimile, telephone, etc.).
- j. ANAC-GGCP will, on a semi-annual basis, provide the FAA with a summary report, in English, of all oversight activities conducted on behalf of the FAA. This report should include, at the minimum, the following information:
1. The number of visits made to GE-Celma facility by ANAC-GGCP;
 2. The number product audits/inspections conducted, to include part numbers and serial numbers of items, as appropriate;
 3. All detected non-compliances to approved data (drawings, specifications, processes, or certification-related items;

4. Any supporting documentation associated with a detected non-compliance to the approved data or certification-related items.
 5. Any noted non-compliance with the approved data (Drawings, Specifications, Processes, etc.); and
 6. Special Manufacturing processes reviewed, and the results of those reviews.
- k. ANAC-GGCP will notify the FAA immediately if its oversight is ceased for any reason.
 - l. All documentation provided by the ANAC-GGCP to the FAA will be in the English language.

CHAPTER 3: CHANGES TO THIS MANAGEMENT PLAN

This plan specifies the minimum amount of production surveillance activity to ensure The General Electric Company's compliance with regulatory requirements. The plan also relies on ANAC-GGCP technical assistance to mitigate any undue burden to the FAA in fulfilling its duties regarding production oversight.

The Plan is intended to be flexible and will be revised as necessary when agreed to by both the FAA and ANAC-GGCP.

Examples of changes that may necessitate a revision in this plan include, but are not limited to:

- a. Quality control or service difficulty problems at The General Electric Company facilities;
- b. Increased/decreased production volume at the GE-Celma facilities;
- c. Changes in Risk-Based Resource Targeting assessments conducted by the FAA for The General Electric Company;
- d. Changes in the production/fabrication of parts and assemblies at the GE-Celma facility; and
- e. Changes in the organizational structure or management at The General Electric Company.

APPENDIX 1 POINTS OF CONTACT

FAA

Ms. Jane W. Dorsey, Manager
Vandalia Manufacturing Inspection District Office
303 Corporate Center Drive, Ste. 312, Vandalia, OH 45377
Phone: +1-937-898-3991
Fax: +1-937-898-8717
E-mail: Jane.dorsey@faa.gov

Mr. Al Clifton, Senior Aviation Safety Inspector
Principal Inspector for The General Electric Company
Vandalia Manufacturing Inspection District Office
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E-mail: joao.maria@anac.gov.br

APPENDIX 2

Supporting Documentation

The FAA and ANAC-GGCP should reference the following documents as appropriate when carrying out their respective responsibilities under this Management Plan:

- a. The General Electric Company corporate quality procedures including any revisions or changes made.
- b. The General Electric Company quality procedures local to GE-Celma.
- c. A list of pertinent assemblies, and drawings required to assemble and test the CF34-8E and CF34-10E engines.
- d. Appropriate FAA Orders: Order 8120.2, *Production Approval and Certificate Management Procedures*, Order 8100.7, *Aircraft Certification Systems Evaluation Program*, Order 2150.3, *Compliance and Enforcement Program*, and any other deemed appropriate. These may be located on the FAA website: <http://rgl.faa.gov/>

APPENDIX 3

FAA Forms

1. FAA Form 8100-1, Conformity Inspection Record.
2. FAA Form 8100-6, Noncompliance Record.
3. FAA Form 8120-14, Certificate Management Activity.

These forms will be provided to the ANAC-GGCP by the FAA, as necessary, and may be generated electronically and submitted by e-mail. Sample forms and instructions are available in FAA Order 8120.2, Production Approval and Certificate Management Procedures.