



**EMBRAER 170**

**AIRPLANE OPERATIONS MANUAL  
VOLUME 2**

**EMPRESA BRASILEIRA DE AERONÁUTICA S.A.**

This manual is applicable to the EMBRAER 170 airplanes LR model equipped with CF34-8E5 engines and operating under FAA certification.

THIS PUBLICATION IS INCOMPLETE WITHOUT AIRPLANE  
OPERATIONS MANUAL AOM-1502 VOLUME 1.

**AOM-1502-002**  
**DECEMBER 10, 2003**  
**REVISION 1 - FEBRUARY 20, 2004**

# Emb 175 Embraer Manual

**Christian G. Meyer**



## **Emb 175 Embraer Manual:**

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Jane's All the World's Aircraft Frederick Thomas Jane,2003      Diccionario Ingles Técnico Aeronáutico Facundo Conforti,Augusto DeSantis, La industria aeroespacial es la segunda actividad ma s normada luego de las activi dades nucleares esta regida por infinidad de normas reglamentaciones directivas documentacio n especi fica y todo tipo de manuales de referencia obligatoria La gran mayori a llega a manos de usuarios operadores talleristas etc en idioma in gle s el idioma de uso aerona utico por naturaleza A ello se suma el hecho de que la industria aerona utica no esta aislada de las actividades humanas sino que inte ractu a se nutre y hace su aporte a ellas creando la necesidad de un so lido vi nculo interdisciplinario Ahora bien si bien conocemos la existencia de esta necesidad de creacio n de un fuerte vi nculo interdisciplinario tambie n sabemos que en esta tarea nos encon tramos con una gran barrera en el mismo la comunicacio n A partir de esto es po sible considerar varios impedimentos en esa barrera Uno de los ma s importan tes es el idioma como factor concurrente esta el uso de regionalismos y como consecuencia de ellos la aplicacio n de jergas especi ficas Desde los albores de la aviacio n hemos convivido con ese problema sucede que al incrementarse di a a di a el nu mero de operaciones al crecer el parque aero na utico y convertirse la aviacio n en una necesidad para el resto de las actividades humanas las condiciones inseguras los incidentes y los accidentes continu an pro ducie ndose quedando de manifiesto las falencias de la industria en ese aspecto ii Las nuevas tecnologi as en materiales los nuevos me todos de disen o y los pla nes de mantenimiento con te cnicas de inspeccio n no destructivas han reducido los riesgos latentes de fallas te cnicas pero no todos los aspectos relacionados con la vida humana puede solucionarlos la tecnologi a por lo que en paralelo con los desarrollos tecnolo gicos se han creado conceptos de gestio n del factor humano que han contribuido en gran medida a la seguridad operacional y desde el an o 1978 su estudio y prevencio n se ha expandido considerablemente por lo que en todos los programas de estudio y mejoramiento de la interaccio n antropolo gica CRM MRM LOFT SHELL etc la comunicacio n es un vi nculo importanti si mo en la seguridad operacional Si trasladamos lo expuesto a las tareas diarias ya sea en la operacio n de una aeronave en el mantenimiento de la misma en el control del tra nsito ae reo en la administracio n de las empresas operadoras o en cualquier otra actividad relaciona da con la industria aeroespacial se presentara el problema del uso del idioma in gle s los regionalismos y las jergas especi ficas factores tendientes a desencade nar una sucesio n de eventos inseguros que podri an desembocar en un incidente o en un accidente de consecuencias catastro ficas Cuando se analiza la

comunicación oral y escrita es importante tener en cuenta que si bien manejamos un vocabulario técnico en común es inevitable tanto en inglés como en español el uso de regionalismos y argot jargon en inglés Por ejemplo un técnico ecuatoriano hablara de la bita cora de la aeronave mientras que uno argentino hablara de la libreta historial de la aeronave Esta divergencia puede justificarse como un caso de regionalismos de países diferentes ahora bien en el segundo ejemplo el mismo técnico argentino en la provincia de Buenos Aires hablara de chavetas para frenar un bulón mientras que otro técnico argentino en Córdoba hablara de cupillas para frenar un bulón En paralelo se puede ver también que los diferentes fabricantes tienen lexicos específicos con respecto a sus productos por ejemplo uno de los más conocidos fabricantes británicos de motores posee un sistema propio de códigos de denominación y aplicación de Boletines de Servicio no mandatorios muy distinto al que manejan sus competidores directos de Estados Unidos y Canadá Por eso la intención de este manual iii es contemplar una cantidad importante de tales divergencias presentándolas en cada asiento específico para que el uso del término y el concepto se apliquen con la mayor propiedad posible La propuesta de este manual es constituirse en una obra de referencia pensada como apoyo idiomático para interpretar y utilizar con mayor exactitud todos los niveles en que se presenta la terminología aeronáutica y contribuir a la aclaración de las dudas que continuamente se dan en la traducción de ambas lenguas en los diferentes campos de la aviación

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