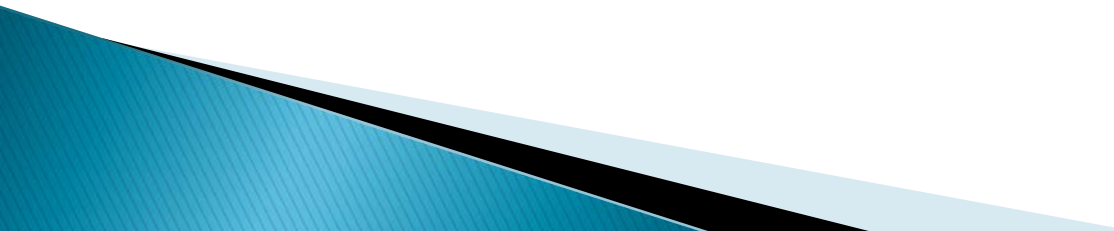


Reviewing Back to Birth Requirements

MRO Americas, Thursday, April 7 2016

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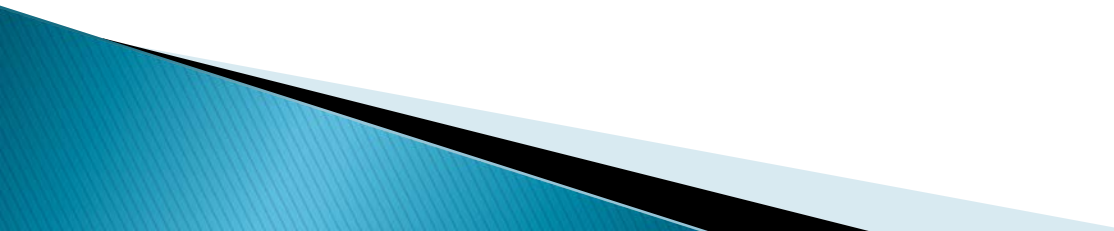
Market Perception

- ▶ Wide and varied requirements
 - ▶ Lines are blurred when it comes to regulatory and commercial
 - Unfortunately commercial “wins”
 - ▶ What is accepted today is no guarantee of acceptance tomorrow
 - ▶ Too much time being spent on asking for more data than actually reviewing the data provided
- 

Documentation Perception

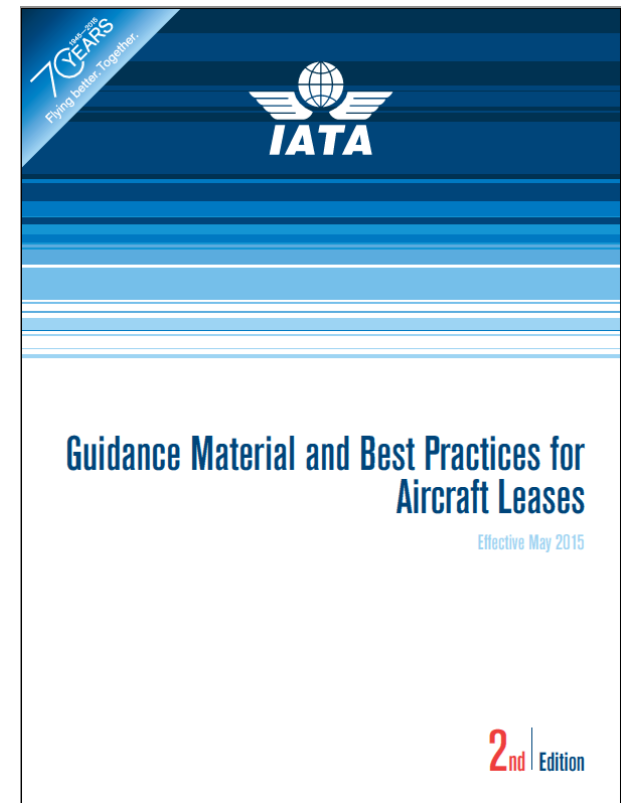
- ▶ No two trace packages are 100% identical in the trace content
 - Packages are either comprehensive or overkill
 - Overkill usually wins with no sound basis
 - Now we have an OEM issue about Critical Influencing Parts
- ▶ Buyers are all over the map in their requirements
 - Non-Ops statements for a part that has been sitting on a shelf since repair
 - An airline installation disk-sheet
 - Or just moving the goalposts to bring the price down

What is being seen on the market

- ▶ **Buying or Selling:** The requirements seem to vary...
 - ▶ **Completing BtB trace:** Proving BtB history Or Completing a checklist?
 - ▶ **2 sides of the BtB:** Proving BtB utilization / Proving service (configuration) BtB history
 - ▶ **BtB for Non-LLP !?** What is “equivalent or better” for a replacement part?
 - ▶ **Increased requirements or Increased awareness?**
- 

Existing Guidance

- ▶ IATA “Guidance Material and Best Practices for Aircraft Leases” (May 2015)
- ▶ Covers Aircrafts and Engines
 - Regulatory requirements
 - Market requirements
 - Checklists



Extract of IATA guidance document (Annex IV: Engine Documentation Checklist)

Document required	Lease	Purchase
1.Latest Engine Certificate available	YES	YES
2.Current Operator LLP Status	YES	YES
3.Life Limited Parts Back-to- Birth	YES *	YES
4.AD status	YES	YES
5.SB / Modification Status	YES	YES
6.Latest Engine Test report or On-Wing Power Assurance	YES	YES
7.Latest Borescope Report and Video	YES	YES
8.Last 6 months of Engine Condition Monitoring	YES	YES
9.QEC/Accessory List	YES	YES
10.Missing Part List	YES	YES
11.Engine Installation/Removal History	YES	YES
12.Shop Visit reports and Mini Packs	YES	YES
13.Engine Logbook (if applicable)	YES	YES
14.Incident/Accident Clearance Statement	YES	YES
15.Previous operators statements (AD/LLP/ICS)	NO	YES
16.Manufacturer data (EDS/VSL/IIL/Logbook)	NO	YES
17.On-Wing Maintenance (Review the Maintenance Schedule Engine Tasks – Last done/Next Due, Water Wash, Borescope Inspection, Fan Blades lubrication)	YES	YES

Document required	Lease	Purchase
18.Shop Maintenance (Check which shop the airline is using for Off Wing maintenance and if they have a customized WPG/MPG)	NO short YES long	YES
19.Certificates for every component installed	YES*	YES
20.Review all technical log entries recorded against the engine in the last six months of operation and the action that was taken to clear them.	YES	YES
21.Preservation Status	YES	YES
22.Picture of the Engine Data Plate	YES	YES
23.—Carry Forward" or —Open Items" sheet	YES	YES
24.List of open OEM concessions	YES	YES
25.TRUEngine / Pure-V or other OEM status	NO	YES
26.Warranties – Identify assignable warranties available from the manufacturer or maintenance provider.	NO	YES
* For the ones replaced during the lease		