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航空承运人常见问题—资格与租赁 **COMMON ISSUES FOR AIR CARRIERS – ELIGIBILITY AND LEASING**

Deidre Hawkins – American Airlines
Donny Douglas – Delta Air Lines

2026 OPPLAND PMA SEMINAR Xiamen

2026欧普兰PMA研讨会厦门

SEPTEMBER 16, 2026

2026年9月16日



引言 Introductions



American Airlines PMA

美国航空 PMA

- Over 25 years of PMA
- Partnership between Supply Chain and Engineering
- 8 Engineers
 - 3 Supply Chain Managers
- All aircraft fleets/ATAs unless commercial constraints
- Engine use on CFM56-5B/-7B

- PMA 历经 25 载以上
- 供应链与工程部门之间的合作伙伴关系
- 8名工程师
 - 3名供应链经理
- 所有机队/ATA（商业限制情况除外）
- CFM56-5B/-7B 发动机的使用



Delta Air Lines PMA 达美航空 PMA

- Over 40 years of PMA
- Partnership between Supply Chain and Engineering
- 3 Engineers
 - 1 Supply Chain Manager
- All Fleets/ATAs, including engines, unless commercial constraints

- PMA 40余载
- 供应链与工程部门之间的合作伙伴关系
- 3名工程师
 - 1 供应链经理
- 所有机队/ATA（含发动机），除非受商业限制。



合格 Eligibility



What is Eligibility? 什么是资格要求？



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- An FAA requirement to identify the aircraft or engines where a specific PMA part may be installed
- Based on the Type Certificate Data Sheet (TCDS)
- FAA 关于识别可安装特定 PMA 零件的航空器或发动机的要求
- 基于型号合格证数据单 (TCDS)

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

A58NM
Revision 11

Airbus
A380-E41
A380-E42
A380-E61

July 25, 2024

FAA TYPE CERTIFICATE DATA SHEET NO. A58NM

This data sheet which is part of Type Certificate No. A58NM prescribes conditions and limitations under which the product for which the Type Certificate was issued meets the airworthiness requirements of the US Federal Aviation Regulations.

Type Certificate Holder: Airbus SAS
2, Rond-Point Emile Dowdottin,
31707 Blagnac,
France

Where do you find it?
你在哪里找到它的?



- FAA-PMA 补充文件

FAA - PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT					
Article Number		Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCB Eligibility	Model/Serial Eligibility
		Airbus A320	Tests and Computations per 14 CFR § 21.303, Day No. [REDACTED] Rev: [REDACTED] Date: [REDACTED] or later FAA approved revision	Airbus SAS	A320-202 A320-201 A320-203

- **FAA DRS 网站**



What if your fleet is missing? 如果您的车队不见了怎么办?



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- Ask the PMA supplier
- If you are able, help the supplier obtain a new or revised supplement
 - Provide IPC pages
 - Provide assist letter



- Example – American acquired the 737 Max 8 and needed to add that fleet to their 737NG approvals

- 咨询 PMA 供应商
- 如果条件允许，请协助供应商获取新的或修订后的补充文件。

- 提供 IPC 页面
- 提供协助信函

- 示例——美国航空（American）引进了 737 Max 8 机型，并将其纳入现有的 737NG 运行批准范围

Common Eligibility Issues

常见的资格问题



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- Fleets with a suffix, such as ER or LR
 - 737-900 and 737-900ER
 - 777-200 and 777-200LR
- Engine Variants
 - CFM56-7B26, -7B26E, -7B27EB1F, ...
- Airbus Variants
 - A321-211, -212, -213, ...

- 带有后缀（如 ER 或 LR）的机队
 - 737-900 和 737-900ER
 - 777-200 和 777-200LR
- 发动机型号
 - CFM56-7B26, -7B26E, -7B27EB1F, ...
- 空客机型变体
 - A321-211, -212, -213, ...

租赁 Leasing



Current Industry Status

行业现状

- Improving!
- IATA Summits with Lessors

- 正在进步!
- IATA 与租赁商举行峰会



- Some lessors OK with PMA in limited scenarios
 - Not for engines...yet

- 部分出租人在特定情况下接受 PMA（经批准的部件制造）。
 - 尚不适用于发动机...



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The Most Important Steps

最重要的步驟



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- Read your contract

- 最重要的步驟

- Ask your lessor

- 请咨询您的出租方。

Common Practices 常见做法

- Shop around
 - Keep contracts consistent
- Long term leases
- End of life leases

- 货比三家
 - 保持合同的一致性
- 长期租约
- 终身租赁



- Small wins add up!

- 积少成多，聚沙成塔!



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Other Strategies*

其他策略*



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- “Quiet Enjoyment”

- “安宁享用权”

- Penalties

- 处罚

- *These are presented as examples of industry practices and are not to be considered endorsements by MARPA, Oppland, American Airlines, or Delta Air Lines. Consult your organization’s legal department.

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MARPA 能为您提供什么帮助?

How Can MARPA Help You?

MARPA Air Carrier Activities

MARPA 航空承运人活动



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- Annual Conferences
 - USA
 - EMEA
 - China/Japan
- Air Carrier Committee
 - Bi-monthly calls
 - In-person meetings at conferences
- Ask questions!

- 年度会议
 - 美国
 - 欧洲
 - 中国/日本
- 航空承运人委员会
 - 双月度电话会议
 - 会议期间的面对面会谈
- 请提问!

Air Carrier Committee Chairs

航空承运人委员会主席



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- Deidre Hawkins
- Donny Douglas
- Nils Wittmaack
 - EMEA Chair
 - 欧洲区主席

American Airlines



 **DELTA**

 **LUFTHANSA GROUP**

Questions?

您有什么问题吗？

Please feel free to ask questions
请随时提问。



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谢谢你!
Thank You!





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