



GLOBAL PRODUCTION AND DESIGN

The (new) Reality

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Global Production—The New(?) Reality

Product	Year of EIS	Major International Suppliers/Partners
Airbus A300	1974	France, Germany, Italy, U.K.
McDonnell Douglas MD-80	1980	US, Canada
Boeing 767	1982	US, Italy, Japan, Australia
CFMI /CFM56 (Engines)	1982	US, France, Italy



Global Production—What is Changing

What is changing is the complexity of our global partnerships

Design complexity & level of integration

Design delegation to supplier

Utilization of supplier's quality system

Multiple final assembly lines

Global suppliers at all tiers

Global Production—What is Unchanged

Two fundamental truths are unchanged:

- **The design/production approval holder is ultimately responsible for *all* design, production, and continued airworthiness.**

This will always be true, regardless of the place where that responsibility is discharged.

What is changing is *how* the holder fulfills his responsibility

- **The State of Design/Manufacture still has the responsibility to approve designs, oversee production, and ensure continued airworthiness, regardless of where it happens.**

Like the DAH/PAH, this responsibility is independent of where the associated activities occur.

What is evolving is the manner in which the SOD/SOM performs this function.

Global Production—What is New

What is changing for the authority is not “What,” but “How.”

The ultimate goal is to ensure the capability of the OEM’s design/quality system to oversee global design/production

Requires a systemic approach

Risk management/SMS

Utilize local expertise through BASAs & special arrangements.

Maximize use of delegation systems

Monitor results to identify risk areas and adjust oversight systems to match.

Global Production—Closing Remarks

- **Business requirement**
- **Adopted for many years**
- **No observed safety degradation**
- **Increased complexity is a challenge**
- **Need of effective agreements (BASA)**
- **Intensive use of ODA, CDO, CDPO concept**
- **Aviation has never been safer than today**