

# ***Headquarters U.S. Air Force***

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## **Air Armament Symposium**

***The 5th Gen Weapons Challenge***

***A Requirements Perspective***



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**Maj Gen Tom Jones**

**AF/A5R**

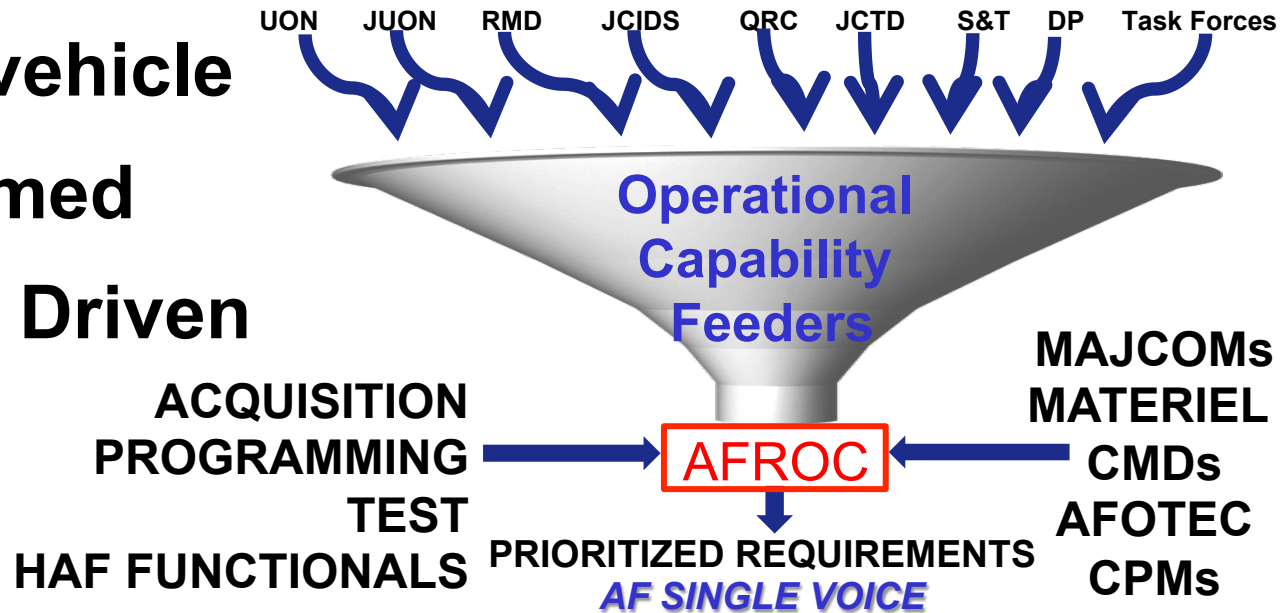
**5 Oct 2011**



# REQUIREMENTS PHILOSOPHY

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- Requirements Central
- AFROC as vehicle
- Fiscally Informed
- Operationally Driven



*CSAF: "Amidst prolonged budgetary pressures, future development efforts will have to be less ambitious, because we cannot assume the kind of risk that past acquisition strategies have incorporated in their development plans"*



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# *Where We Are*

- **Challenging fiscal environment, Programs of Record face increasing scrutiny**
- **GAO report of 62 major weapons programs**
  - **85% began development without sufficient maturity of required technology**
  - **Cost increases, schedule delays due to insufficient scientific knowledge and technical ability**
- **Insure the AF of tomorrow, built on requirements identified today, remains the world's greatest**
- **Fiscally informed requirements decisions**

*CSAF: "...cannot afford to advance unproven technologies from the science and technology realm prematurely into applied research and development—particularly, when no genuine operational requirements demand it. "*

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# Where We Are

- Modernization enables longer use of legacy systems
- Bridge to future
- Key Programs
  - LRS-B
  - KC-46
  - JSF



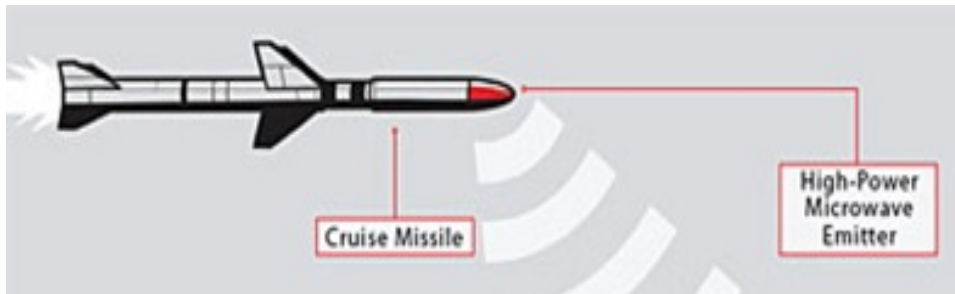
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# Where We're Going

- **Advanced Technology**
  - **Benefits**
    - **Advanced Weapons help offset legacy systems**



- **Challenges**
  - **Legacy fleets**
  - **5th to 4th Gen data transfer**
  - **Joint/Combined activities**



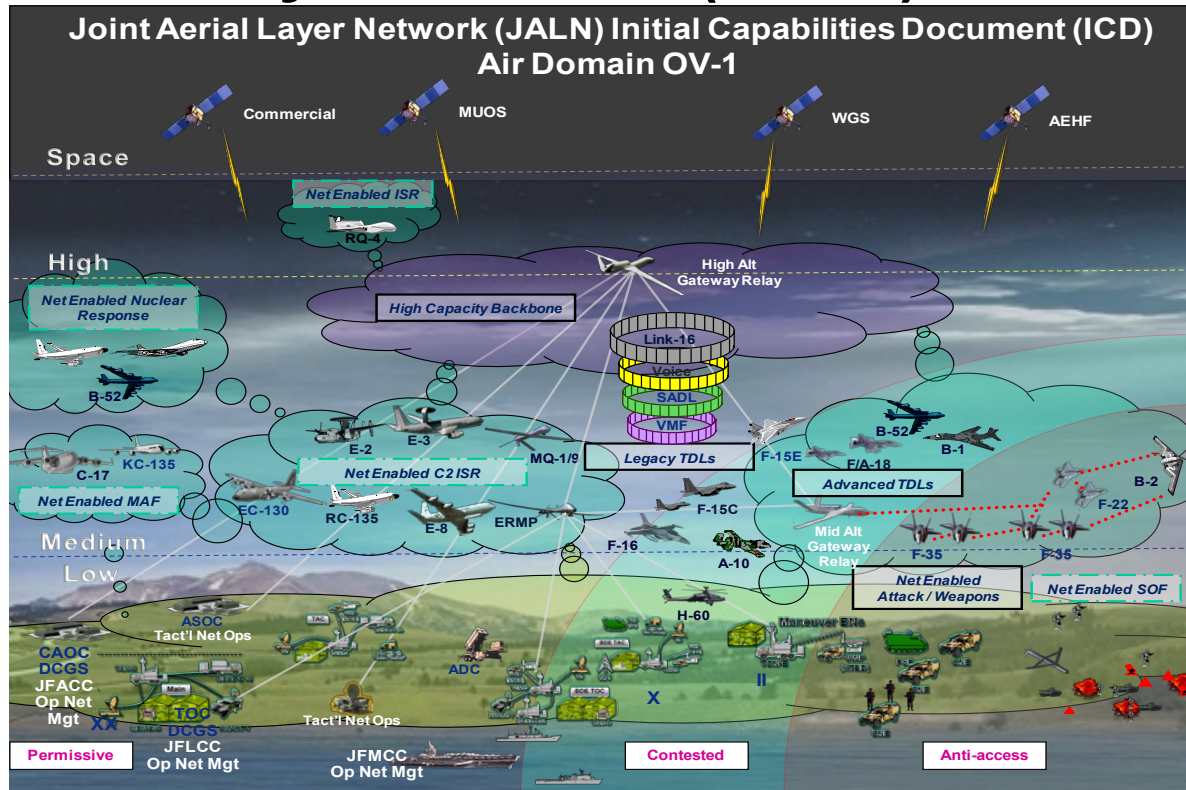
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# Other Areas We're Working

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- Follow-on Trainer (TX)
- C2
- Joint Aerial Layer Network (JALN)



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# Challenges

- Software mods
- Platform Integration
- Sister Service cuts and needs (bills)
- FY13POM and outcome of Congressional “supercommittee”
- Uninformed “weapons surge” COAs
- Translation of “Requirements” into “Acquisition”
- Prioritizing Requirements

*CSAF: “...convergence of fiscal pressures and strategic uncertainty, there is no trade space, or time, or patience, to over-promise, only then to under-deliver”*

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# *Summary*

- **AF has faced some tough decisions in recent budgets**
- **Pressing hard to maintain our focus on critical future systems, while maintaining/sustaining legacy aircraft to bridge to fifth gen systems**
- **Working to resolve our complex challenges on integrating new systems**
- **Planning to deal with potential future, even more difficult, budget issues**