

Each axis shows the relative capability of each tanker from the origin in the center. The greater the value, the better the capability.

- **Fleet Effectiveness Value:** The refueling capability of each tanker airframe in the inventory. The value is calculated by dividing the total number of KC-135Rs required to meet refueling demand in the government scenario (including mission capable, depot, and training rates) by the number of KC-30s or KC-767s needed to do the same job.
- **Aerial Refueling Mission Effectiveness:** The refueling capability of each tanker platform (not factoring in mission capable, depot, or training rates). This is also known as R equivalency (originally used in the RAND tanker Analysis of Alternatives). The value is calculated by dividing the total number of full mission capable KC-135Rs required to meet refueling demand in government scenario by the number of full mission capable KC-30s or KC-767s needed to do the same job.
- **Maximum Fuel Load:** The total pounds of fuel each tanker can carry.
- **Fuel Offload at 1,000 nm:** The total pounds of fuel a tanker can offload at 1,000 nm using the Air Force's system requirements document ground rules for evaluation of performance.
- **Fuel Load from 7,000 foot runway:** The maximum fuel load each tanker can takeoff with when launching from a 7,000 foot runway at sea level on a standard day.
- **Aircraft fuel efficiency:** Calculated using Air Force methodology for measuring tanker fuel efficiency at 1,000 nm radius. All aircraft fly standard mission specified in systems requirement document for evaluation of performance. Fuel available for offload divided by (fuel available for offload plus fuel consumed).
- **Operational Availability Rate:** The percent of the fleet available to fly (factors in mission capable and depot rates).
- **Global Airfield Availability:** The number of airfields in the world that each tanker can launch from carrying $\geq 200K$ lbs of fuel. Calculation factors in runway length, elevation, and runway strength. Air Mobility Command's Airfield Suitability and Restrictions Report used as data base.
- **Payload (tons):** The maximum tons each aircraft can carry in its cargo area.
- **Pallets:** The maximum number of military pallets each tanker can carry.
- **Passengers:** The maximum number of passengers each tanker can carry using palletized seating.