

Title: MIL-STD-3050, Aircraft Crew Breathing Systems using OBOGS:
REVISION

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Abstract: Mil-Std-3050 covers the design, integration, certification, and sustainment/maintenance requirements for aircraft crew breathing systems using an On-Board Oxygen Generating System (OBOGS). This standard establishes the minimum design criteria for an aircraft crew breathing system using an On-Board Oxygen Generating System (OBOGS). Military Standards such as Mil-Std-3050 are reviewed for update every 5 years, and while Mil-Std-3050 was last published in 2015, making CY2020 the target date for update, requests were made by Senior Air Force Officials to update this document a year early (2019) in order to include requirements that stem from lessons learned from pilot reports of physiological episodes in fighter and trainer aircraft that have occurred since 2015. A draft update of Mil-Std-3050 was completed in July 2019. The draft contains new requirements which were provided by the human physiology and medical community. Currently, MiL-Std-3050 is in review by Air Force, Navy and Army engineers, acquisition professionals and industry partners. The planned publication date for the update is in CY2020