

FY14 ARMY PROGRAMS

Material Release PGKs to deployed forces restricted the use of these PGKs to support Operation Enduring Freedom. The Army identified the need to obtain an FMR for the Urgent Material Release PGKs so Soldiers could use them in training and future contingency operations. An FMR for the Urgent Material Release PGKs required a favorable Operational Test Agency Evaluation Report.

- The Army approved FMR of the Urgent Material Release PGK in August 2014.
- DOT&E published an Operational Assessment report supporting the FMR of the Urgent Material Release PGK in September 2014.

Program of Record PGK

- Following the March 2013 Milestone C Decision Review, which approved the Program of Record PGK for LRIP, the Army moved the PGK production line from Minnesota to the contractor's planned production facility in West Virginia.
- The Program of Record PGK entered FY14 with a combined PGK and Excalibur Increment 1b IOT&E scheduled for February 2014 at Yuma Proving Ground, Arizona.
- In November 2013, the contractor delivered the First Article sample of Program of Record PGKs from the West Virginia production line to the government. The Army rejected the initial First Article sample because 14 failures occurred in 80 of the PGKs fired.
- The Army cancelled Program of Record PGK participation in the scheduled IOT&E and initiated a comprehensive Failure Analysis and Corrective Actions investigation. The Army moved LRIP back to the Minnesota production facility and rescheduled the Program of Record PGK IOT&E for 3QFY15.
- In April 2014, the PGK Milestone Decision Authority approved an updated PGK Acquisition Program Baseline Agreement. This agreement identified the timeframe for FMR of the Program of Record PGK as September 2015 to May 2016.

- The PGK Program Management Office provided DOT&E an overview of a testing schedule to validate corrective actions and ensure readiness of PGK to enter IOT&E in 3QFY15.
- The Army conducted all testing in accordance with the DOT&E-approved Test and Evaluation Master Plan.

Assessment

Urgent Material Release PGK

- In operational testing, the PGK fuzes demonstrated, with confidence, accuracy results well within the accuracy requirement of a 50-meter Circular Error Probable. A median radial miss distance of 21.8 meters demonstrated PGK accuracy exceeds the requirement established for obtaining an FMR for the purpose of supporting new equipment training and fielding to the Global Response Force.

Program of Record PGK

- The results of the Army's comprehensive Failure Analysis and Correction Actions attributed failure modes to quality and process deficiencies at the West Virginia production plant facility. The Army has not validated design and production process changes implemented on the Minnesota production line in government testing. FAAT, which is a prerequisite for entry into IOT&E, will be conducted in 1QFY15.

Recommendations

- Status of Previous Recommendations. The Army addressed previous recommendations.
- FY14 Recommendations. The Army should:
 1. Continue test planning to validate corrective actions that address performance and production shortfalls and demonstrates PGK's readiness for IOT&E.
 2. Provide an updated Test and Evaluation Master Plan that documents the program's strategy for validating corrective actions to address performance and production shortfalls.