A Repair Development Engineer is responsible for the development and implementation of new repairs, including the creation and documentation of all required processes and procedures used to disassemble, assemble, inspect, repair, test and manufacture the affected components.

The main job duties of a Repair Development Engineer involve:

- Support the Engineering Department in creating, documenting, developing and implementing procedures to process new repairs and components in compliance with 14 CFR Part 145 and/or any other applicable Code of Federal Regulations, manufacturer's specifications, customer specifications and other requirements as applicable.
- Review technical information as required in support of repair development and implementation projects.
- Review customer purchase orders, contracts and change requests and ensure that the necessary criteria and provisions are communicated to and included repair development and implementation plans.
- Develop repair justifications and quote forms in support of repair development and implementation projects.
- Develop capital requests for tooling and equipment required in support of repair development and implementation projects.
- Develop job planning documents defining in detail the operations to be performed through engineering instructions, drawings and process instructions for repairs.
- Define and conduct all tests required to substantiate repairs developed.
- Oversee the design of any tooling and fixtures in support of repairs developed.
- Develop internal and external reports identifying the status of repair development and implementation projects on a timely basis.
- Interact with process planners, production planners, operation support and customer service / marketing personnel to ensure the planned work reflects the technical requirements requested by customers.
- Participate in the First Article Inspection Review (FAIR) associated with repair development and implementation programs in accordance with internal and/or customer requirements.
- Effectively communicate with peers, supervisors and management personnel, displaying an attitude that promotes teamwork and cooperation between the various internal departments.
- Demonstrate ability to multitask in a fast paced work environment.
- A minimum of a Bachelor's Degree in Mechanical, Metallurgical, Industrial, Welding or Aerospace Engineering.
- Five (5) years minimum of experience in the gas turbine engine repair and overhaul business.

- Prior experience working with Designated Engineering Representative (DER).
- Thorough understanding of Geometric Dimensioning and Tolerance (GD&T) principles.
- Ability to write technical reports and correspondence for internal and external communication purposes.
- Strong computer skills with Pro-Engineer (preferred) or SolidWorks.
- Experience with advanced computational analyses (Finite Element Analysis, Computational Fluid Dynamics, etc.) desired but not mandatory.

Customer Interaction and Customer Field Experience is preferred.