

MORE ROBUST DESIGN REVIEW REDUCES LAUNCH SPILLS

(drbfm)

SOLUTION

The AIAG Design Review Based on Failure Mode (DRBFM) Work Group created a document to establish a common process accomplished by engineers within their daily activity. The AIAG DRBFM Reference Document provides details on organizational procedures to implement DRBFM proficiency expectations at all levels of engineering and management, including the supply base. The document also provides an optional audit and scoring method for ensuring consistent process application.

PARTICIPATING COMPANIES

Daimler Trucks
Dana Holding Group
Delphi
General Motors
Harley Davidson
John Deere
Lear Nexteer Automotive
ReliaTrain

SITUATION

Design Review Based on Failure Modes (DRBFM) is a deep-analysis process that focuses on engineering changes once a baseline design has been established. A key component is an organizational culture focused on meeting functional requirements and customer expectations. Supporting the engineer — both within and at all levels of the supply chain — is foundational to the DRBFM methodology. All DRBFM activities tie directly to engineering processes that develop a design that meets requirements and customer expectations with zero issues at launch.

BENEFIT

DRBFM clearly defines the impact of change and eliminates the need for extended engineering activity after production launch. Benefits of the AIAG DRBFM Guideline include:

- Consistent application will eliminate complexity for suppliers that support multiple organizations.
- The process is inclusive of all activities that impact quality, cost, and delivery.
- The foundation of the DRBFM culture is a value-added engineering environment focused on meeting technical requirements and customer expectations.