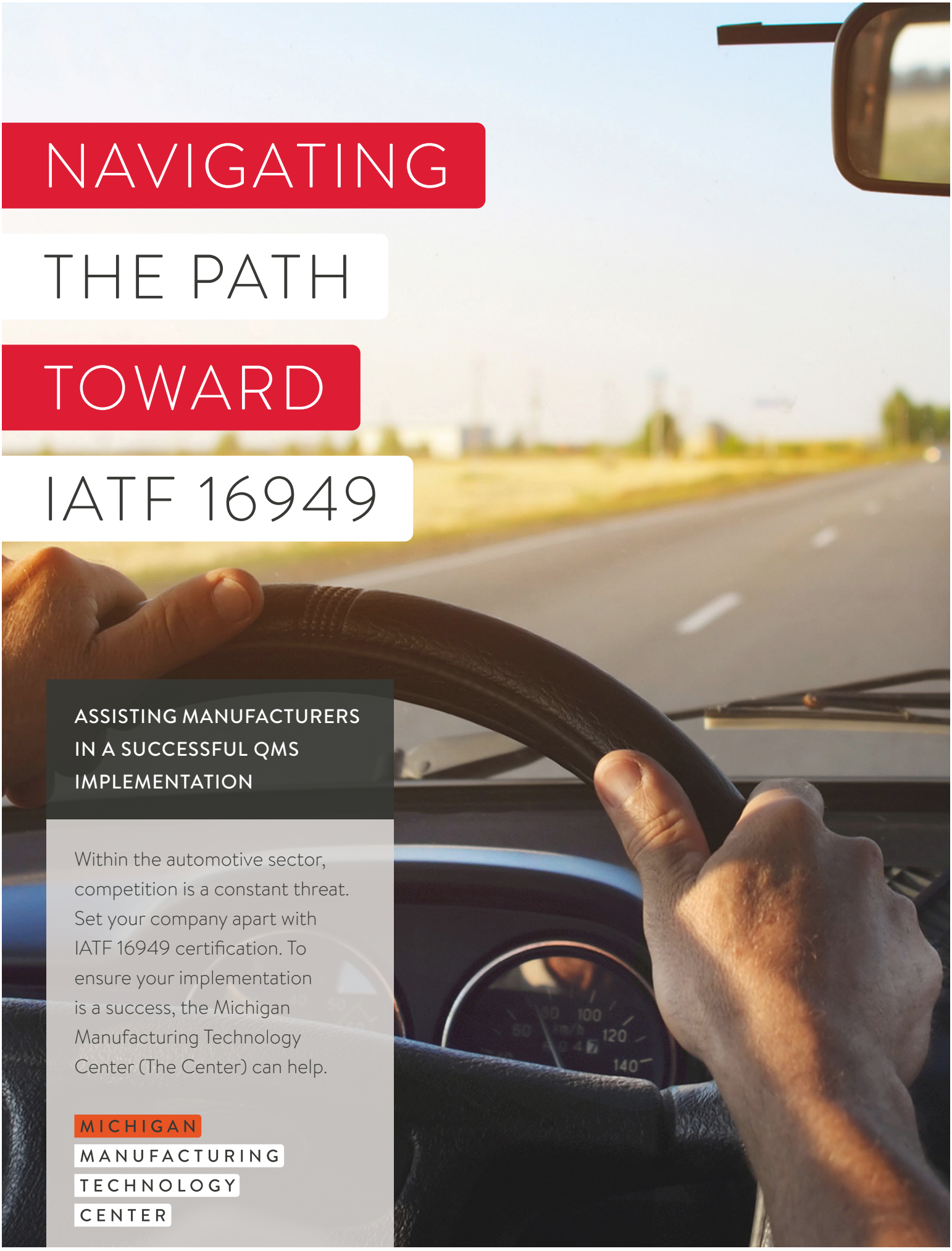

NAVIGATING THE PATH TOWARD IATF 16949

ASSISTING MANUFACTURERS IN A SUCCESSFUL QMS IMPLEMENTATION

Within the automotive sector, competition is a constant threat. Set your company apart with IATF 16949 certification. To ensure your implementation is a success, the Michigan Manufacturing Technology Center (The Center) can help.

MICHIGAN MANUFACTURING TECHNOLOGY CENTER

PREPARE FOR YOUR CERTIFICATION WITH THE CENTER

Whether you are already in the automotive industry or looking to enter the sector, a strategic advantage can be achieved with IATF 16949 certification. This standard encompasses all the requirements outlined in the more general ISO 9001 quality standard, with additional requirements specifically related to automotive organizations. Companies that achieve this certification realize enhanced standards of quality, improved delivery performance, lower production costs and a competitive edge.

Identifying the right approach to lead your implementation is the first step in navigating the waters of IATF 16949. To assist with your implementation, The Center offers the following programs:

MANAGEMENT TRANSITION. This class informs organizational management about how IATF 16949:2016 will impact their current Quality Management System (QMS). With a focus on the requirements of IATF 16949:2016 and the changes required to transition, discussions revolve around corporate responsibility, control of changes, risk-based thinking, organizational knowledge and developing an effective transition plan.

ORGANIZATION IMPLEMENTATION. This seven-day training program is designed to teach team members how to develop and implement the requirements of the IATF 16949 standard. Each company receives a complete Policy Manual template to assist them with creating their own manual. Sample procedure, process and form Templates also are issued to be used in applicable areas, along with reference documents for compliance to the QMS.

APQP, PPAP & FMEA. Advanced Product Quality Planning (APQP) is a structured method of defining and establishing the steps necessary to ensure that a product satisfies the customer. The Production Part Approval Process (PPAP) involves the management of many tasks. Failure Modes and Effects Analysis (FMEA), an essential IATF 16949 tool, helps identify and avoid potential failure modes based on experience with similar products and processes. These methods are covered in the two-day course.

INTERNAL AUDITING WITH CORE TOOLS. During this four-day course, emphasis is placed on effective auditing processes, skills and techniques. Learn how to develop an audit plan and report required for management review. Corrective and preventative actions are reviewed, and clear definitions of the clauses of the IATF 16949 requirements are covered.

8D PROBLEM SOLVING. Many things can go wrong in a manufacturing facility, from missed shipping deadlines to specification errors. Actions to reduce the costs of poor quality, a key to profitability, are best undertaken with a structured methodology. In this class, learn how to isolate root cause and employ step-by-step actions to report findings, determine/apply remedies and solve problems.

STATISTICAL PROCESS CONTROL (SPC). In this class, participants learn about variation and how SPC, a method of quality control that uses statistical methods, can reduce forms of costly variation. SPC is applied to monitor and control a process, ensuring it operates at full efficiency.

MEASUREMENT SYSTEM ANALYSIS (MSA). This class covers MSA, a mathematical method used to determine how much variation within the measurement process contributes to overall process variability. In an MSA, bias, linearity, stability, repeatability and reproducibility, and number of distinct categories are investigated.

MICHIGAN MANUFACTURING TECHNOLOGY CENTER

MANUFACTURE SMARTER

FIND SUCCESS IN YOUR IATF 16949 CERTIFICATION.

Let the quality experts at The Center assist you in your transition.
Contact us at inquiry@the-center.org or call 888.414.6682.

45501 Helm St. | Plymouth, MI 48170 | The-Center.org | 888.414.6682

2/2020