

**OSU-Okmulgee**  
**Academic Programs Form A**  
**ASSESSMENT REPORT FOR**

**Automotive Technology**

**(Unit)**

**Toyota T-TEN**

**(Program Emphasis or Specialization)**

**A.A.S.**

**(Degree)**

**2003 – 2004**

**(Assessment Period Covered)**

**February 10, 2005**

**(Date Submitted)**

**Submitted By: Bill Voorhees**

**(Program Chair)**

**OSU-Okmulgee**  
**Academic Programs Form B**  
**ASSESSMENT REPORT FOR**

Auto/HEVi

(Unit)

T-TEN

(Program Emphasis or Specialization)

2003-2004

(Assessment Period Covered)

10 February, 2005

(Date Submitted)

**Expanded Statement of Institutional Purpose Linkage**

**Reference Institutional Mission Statement below:**

OSU-Okmulgee provides comprehensive, high-quality, advancing technology programs and services to prepare and sustain a diverse student body as competitive members of a world-class workforce and contributing members of society.

**Indicate Mission/Purpose of the Transportation Division and relate it to the OSU-Okmulgee Mission below:**

**Unit Mission:** The Automotive/HEVI Division of OSU-Okmulgee prepares students to become efficient and productive entry-level automotive service, automotive collision, medium/heavy duty truck, heavy equipment, industrial equipment and mechanical/electrical diagnostic and repair technicians. This is accomplished through manufacturer and industry specific programs incorporating a combination of on-campus and off-campus educational experiences. The partners and industries served include the dealerships of Daimler Chrysler, Ford, General Motors, Nissan and Toyota: Independent Service Centers: Collision Repair Centers: selected distributors of Caterpillar, Komatsu, Freightliner, Toyota Industrial Equipment and companies serving the Natural Gas Industry.

**Indicate Mission/Purpose of the Unit and relate it to the OSU-Okmulgee Mission below:**

**Unit Mission:** The Automotive Technology Program's mission is to prepare students to become qualified technicians for defined industries and provide a firm base for continued success in their career.

**Indicate Mission/Purpose of the Program of Study (Emphasis or Specialization) and relate it to the Unit Mission below:**

**Program/Emphasis or Specialization Mission:** The Automotive Service Technology program prepares students to become professional entry-level automotive service technicians.

## List Intended Program of Study Objectives to be Assessed This Year:

**Core Objective 1.** Effectively communicate electronically, verbally and in writing.

**Core Objective 2.** Demonstrate logical, systematic problem solving techniques.

**Core Objective 3.** Develop and display a sense of personal, social and professional work ethics.

**Core Objective 4.** Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

**Core Objective 5.** Access and use technology appropriate to one's industry or field of study.

**Program Technical Objective 1.** Diagnose, service and repair automotive engines as it pertains to their mechanical performance.

**Program Technical Objective 2.** Diagnose, service and repair automotive engines as it pertains to their fuel economy/emissions and drive-ability.

**Program Technical Objective 3.** Diagnose, service and repair automatic transmissions and transaxles.

**Program Technical Objective 4.** Diagnose, service and repair manual drive trains and axles.

**Program Technical Objective 5.** Diagnose, service and repair automotive steering and suspension systems.

**Program Technical Objective 6.** Diagnose, service and repair automotive electrical systems and electronics.

**Program Technical Objective 7.** Diagnose, service and repair automotive brakes.

**Program Technical Objective 8.** Diagnose, service and repair automotive air conditioning and heating systems.

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**Intended Educational (Student) Objective #1:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Core Objective 1:** Effectively communicate electronically, verbally and in writing

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**1 a. Means of Program Assessment & Criteria for Success:** (How is objective going to be measured and what will be considered acceptable success?)

80% of all T-TEN graduates will demonstrate their ability to effectively communicate electronically, verbally and in writing with an accuracy of 74% (or above) by providing the following: **Technical Writing I, ENGL 1033**--Students will write an in-class essay using communications skills learned in this course. The scoring rubric is the same for all students, regardless of instructor.

Type:  Formative       Summative

**1 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

91% of all T-TEN students demonstrated their ability to effectively communicate electronically, verbally and in writing with an accuracy of 74% or above as evidenced by a uniformly scored in-class essay. These data were collected and reported by Technical Writing I faculty using the SCT database.

**1 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

## **B. Second (Summative) Means of Assessment for Objective Identified Above:**

### **1 b. Means of Program Assessment & Criteria for Success:**

80% of all T-TEN graduates will demonstrate their ability to effectively communicate electronically, verbally and in writing with an accuracy of 74% (or above) by providing the following: **Technical Writing II, ENGL 2033:** Students will create a professional resume using communications skills learned in this course. The scoring rubric is the same for all students, regardless of instructor.

Assessment Type:  Formative  Summative

### **1 b. Description of Data Collection & Assessment Results:**

**82%** of all T-TEN students demonstrated their ability to effectively communicate electronically, verbally and in writing with an accuracy of 74% or above as evidenced by a uniformly scored in-class essay. These data were collected and reported by Technical Writing II faculty using the SCT database.

### **1 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #2:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Core Objective 2:** Demonstrate logical, systematic problem-solving techniques

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**2 a. Means of Program Assessment & Criteria for Success:** (How is objective going to be measured and what will be considered acceptable success?)

80% of T-TEN graduates will demonstrate their ability to perform logical, systematic problem-solving techniques by scoring 74% or higher on MATH 2003--Business Math comprehensive examination.

Type:  Formative       Summative

**2 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Fall 2003 Cohort took MATH 2003 during Semester I. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**2 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

## **B. Second (Summative) Means of Assessment for Objective Identified Above:**

### **2 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate their ability to perform logical, systematic problem-solving techniques by scoring 74% or higher on the TTEN 2133—Toyota Engine Control Diagnosis portfolio of hands-on assignments and written examinations.

Assessment Type:  Formative  Summative

### **2 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2133 during Semester IV.

### **2 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #3:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Core Objective 3:**

Develop and display a sense of personal, social and professional work ethics.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**3 a. Means of Program Assessment & Criteria for Success:** (How is objective going to be measured and what will be considered acceptable success?)

80% of all T-TEN graduates will develop and display a sense of personal, social and professional work ethics with an accuracy of 74% (or above) by completing the required Code of Ethics Analysis assignment and reflective essay in PHIL 1213 Ethics.

Type:  Formative       Summative

**3 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

80% of all T-TEN students demonstrated their ability to develop and display a sense of personal, social and professional work ethics with an accuracy of 74% (or above) by successfully completing a Code of Ethics Analysis. These data were collected and reported by Technical Writing I faculty using the SCT database.

**3 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**3 b. Means of Program Assessment & Criteria for Success:**

80% of all T-TEN graduates will develop and display a sense of personal, social and professional work by completing TTEN 2254—Internship V with a satisfactory rating of 74% or above.

Assessment Type:  Formative  Summative

**3 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2254 during Semester V.

**3 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #4:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Core Objective 4:**

Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**4 a. Means of Program Assessment & Criteria for Success:** (How is objective going to be measured and what will be considered acceptable success?)

80% of all T-TEN graduates will demonstrate an ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people with an accuracy of 74% (or above) by completing a required comprehensive exam taken in HIST 1493-History Since 1867.

Type:  Formative       Summative

**4 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Data not yet available. Fall 2003 Cohort will take HIST 1493 during Semester VI.

**4 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**4 b. Means of Program Assessment & Criteria for Success:**

80% of all T-TEN graduates will demonstrate an ability to explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study, with an accuracy of 74% (or above) by completing a required comprehensive exam taken in POLS 1113—U.S. Government.

Assessment Type:  Formative  Summative

**4 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take POLS 1113 during Semester IV.

**4 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #5**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Core Objective 5:**

Access and use technology appropriate to one's industry or field of study.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**5 a. Means of Program Assessment & Criteria for Success:** (How is objective going to be measured and what will be considered acceptable success?)

80% of T-TEN students will access and use technology appropriate to one's industry or field of study with an accuracy of 74% (or above) on GTIT 1133-InfoTech & Applications comprehensive exam.

Type:  Formative       Summative

**5 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Fall 2003 Cohort took GTIT 1133 during Semester I. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**5 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**5 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN students will access and use technology appropriate to one's industry or field of study with an accuracy of 74% (or above) on TTEN 2353—Toyota Capstone course final project.

Assessment Type:  Formative                       Summative

**5 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2353 during Semester VI.

**5 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #6:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 1:** Demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their mechanical performance.

**A. First Means of Assessment for Objective Identified Above:**

**6a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their mechanical performance with a proficiency of 74% (or above) on the T-TEN 1671—Engines Fundamentals portfolio of hands-on assignments and written examinations.

Type:  Formative       Summative

**6 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Fall 2003 Cohort took T-TEN 1671 during Semester III. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**10 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**6 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their mechanical performance with a proficiency of 74% (or above) on the TTEN 1913—Toyota Engine Repair portfolio of hands-on assignments and written examinations.

Assessment Type:  Formative                       Summative

**6 b. Description of Data Collection & Assessment Results:**

Fall 2003 Cohort took TTEN 1913 during Semester III. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**6 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #7:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 2:** Demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their fuel economy/emissions and drive-ability.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**7a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their fuel efficiency and emission control performance with a proficiency of 74% (or above) on the TTEN 2114—Toyota EFI & Computer Control Systems portfolio of hands-on assignments and written examinations.

Type:  Formative       Summative

**7a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Data not yet available. Fall 2003 Cohort will take TTEN 2114 during Semester IV.

**7a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**7b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive engines as it pertains to their fuel efficiency and emission control performance with a proficiency of 74% (or above) on the TTEN 2133—Toyota Engine Control Diagnosis portfolio of hands-on assignments and written examinations.

Assessment Type:  Formative  Summative

**7b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2133 during Semester IV.

**7b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #8:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 3:** Diagnose, service and repair automatic transmissions and transaxles.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**8a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automatic transmissions and transaxles with a proficiency of 74% (or above) on TTEN 2234—Toyota Automatics portfolio of course exams and assignments.

Type:  Formative       Summative

**8a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Data not yet available. Fall 2003 Cohort will take TTEN 2234 during Semester V.

**8a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**8b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automatic transmissions and transaxles with a proficiency of 74% (or above) on TTEN 2353—Toyota Capstone portfolio of course exams and assignments.

Assessment Type:  Formative  Summative

**8b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2353 during Semester VI.

**8b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Core Objectives**

**Intended Educational (Student) Objective #9:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 4:** Diagnose, service and repair manual drive trains and axles.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**9 a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair manual drive trains and axles with a proficiency of 74% (or above) on TTEN 2233—Toyota Manual Drive Trains course exams and assignments.

Type:  Formative       Summative

**9 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Data not yet available. Fall 2003 Cohort will take TTEN 2233 during Semester V.

**9 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**9 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair manual drive trains and axles with a proficiency of 74% (or above) on TTEN 2353—Toyota Capstone course exams and assignments.

Assessment Type:  Formative  Summative

**9 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2353 during Semester VI.

**9 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #10:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 5:** Diagnose, service and repair automotive steering and suspension systems.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**10 a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair steering and suspension systems with a proficiency of 74% (or above) on TTEN 1641—Suspension Fundamentals course exams and assignments.

Type:  Formative       Summative

**10 a. Description of Data Collection & Assessment Results:** (complete this section in summer after assessment results are in)

Data not yet available. Fall 2003 Cohort will take TTEN 1641 during Semester VI.

**10 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**10 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair steering and suspension systems with a proficiency of 74% (or above) on TTEN 2343—Toyota suspension/NVH course exams and assignments.

Assessment Type:  Formative                       Summative

**10 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2343 during Semester VI.

**10 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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**Intended Educational (Student) Objective #11:**

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 6:** Diagnose, service and repair automotive electrical systems and electronics.

**A. First (Formative) Means of Assessment for Objective Identified Above:**

**11 a. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive electrical systems and electronics with a proficiency of 74% (or above) on TTEN 1651—Electrical Fundamentals course exams and assignments.

Type:  Formative       Summative

**11 a. Description of Data Collection & Assessment Results:** (complete this summer in spring after assessment results are in)

Fall 2003 Cohort took TTEN 1651 during Semester I. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**11 a. Use of Results to Improve Instructional Program:** (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**11 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive electrical systems and electronics with a proficiency of 74% (or above) on TTEN 1703 —Toyota Electrical Systems course exams and assignments.

Assessment Type:  Formative                       Summative

**11 b. Description of Data Collection & Assessment Results:**

Fall 2003 Cohort took TTEN 1703 during Semester I. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

**11 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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#### Intended Educational (Student) Objective #12:

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 7:** Diagnose, service and repair automotive brakes.

#### A. First (Formative) Means of Assessment for Objective Identified Above:

##### 12 a. Means of Program Assessment & Criteria for Success:

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive brakes with a proficiency of 74% (or above) on T-TEN 1631— Brake Fundamentals course exams and assignments.

Type:  Formative       Summative

##### 12 a. Description of Data Collection & Assessment Results: (complete this summer in spring after assessment results are in)

Fall 2003 Cohort took T-TEN 1631 during Semester II. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

##### 12 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**12 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive brakes with a proficiency level of 74% (or above) on TTEN 1823—Toyota Brake Systems course exams and assignments.

Assessment Type:  Formative  Summative

**12 b. Description of Data Collection & Assessment Results:**

100% of all T-TEN students demonstrated their ability to develop service and repair automotive brakes with a proficiency level of 74% (or above) TTEN 1823 – Toyota Brake Systems course exams and assignments. These data were collected and reported by T-TEN faculty using the SCT database.

**12 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

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#### Intended Educational (Student) Objective #13:

*NOTE: There should be one form C for each intended objective listed on form B. Intended objective should be restated in the box immediately below with intended objective number entered in the small blank spaces.*

**Program Objective 8:** Diagnose, service and repair automotive air conditioning and heating systems.

#### A. First (Formative) Means of Assessment for Objective Identified Above:

##### 13 a. Means of Program Assessment & Criteria for Success:

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive air conditioning and heating systems with a proficiency of 74% (or above) on TTEN 1923—Toyota Climate Control Systems course exams and assignments.

Type:  Formative       Summative

##### 13 a. Description of Data Collection & Assessment Results: (complete this summer in spring after assessment results are in)

Fall 2003 Cohort took TTEN 1923 during Semester III. However, the assessment plan was still under development and this information was not collected. It will be collected beginning with the Fall 2004 Cohort.

##### 13 a. Use of Results to Improve Instructional Program: (complete in summer based on findings)

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.

**B. Second (Summative) Means of Assessment for Objective Identified Above:**

**13 b. Means of Program Assessment & Criteria for Success:**

80% of T-TEN graduates will demonstrate the ability to diagnose, service and repair automotive air conditioning and heating systems with a proficiency of 74% (or above) on TTEN 2353—Toyota Capstone course exams and assignments.

Assessment Type:  Formative  Summative

**13 b. Description of Data Collection & Assessment Results:**

Data not yet available. Fall 2003 Cohort will take TTEN 2353 during Semester VI.

**13 b. Use of Results to Improve Instructional Program:**

Inadequate data collected during pilot year to make program or curricular changes. Will review for program improvements with additional year of data.