2020-21 CTE Data Review
Division of College, Career & Technical Education

The annual data review conducted by College, Career, and Technical Education Division started on Aug. 2, 2021 for 2020-21 data. This process is to ensure district reported to the State is correctly reflected for each Local Educational Agency (LEA). Local career and technical education (CTE) directors are asked to complete the steps of the following data reviews by Aug. 30, Sept. 29, and **Nov. 24, 2021**, respectively.

Report	Data Review Categories	Data Location	Release Date	Review Deadline
	Step I - Completed			
I	eTIGER CTE & Non-CTE Enrollment & Credits	CCR SharePoint	Aug. 2	Aug. 30
II	Early Postsecondary CTE Data (Dual Credit, Dual Enrollment, and Cambridge) – Also Cross Check with Data Report "Dual Credit/Enrollment Classes or Students"	CCR SharePoint /Data Reports	Aug. 2	Aug. 30
III	CTE Concentrator of 2020 – 21	eTIGER	Aug. 2	Aug. 30
	Step II - Competed	eTIGER Locked on Aug. 31 for Step I		
IV	CTE Concentrator Follow-Up Report	eTIGER	Sept. 1	Sept. 29
V	Program of Study offering	eTIGER	Sept. 1	Sept. 29
VI	CTSO National Membership	CCR SharePoint	Sept. 1	Sept. 29
	Step III	**eTIGER Locked on Oct. 8 for Step II**		
VII	Industry Credentials	**CCR SharePoint**	**Oct. 29** updated	**Nov. 24** updated
VIII	Perkins V Indicators - Performance of CTE Concentrators: • 1S1 4-Year Graduation Rate[1] • 2S1 Academic Proficiency in Reading/Language Arts[2] • 2S2 Academic Proficiency in Mathematics[2] • 2S3 Academic Proficiency in Science[2] • 3S1 Postsecondary Placement[1,3] • 4S1 Non-traditional Program Enrollment[2] (including list of nontraditional POSs) • 5S3 Program Quality through Work-Based (WBL) Participation[1] (including list of WBL courses) • 5S4 Program Quality through "Ready Graduate" Attainment [1,3] [1]**Cohort CTE Concentrators** – students with CTE concentrator status and are included in the cohort group in the reporting year	**CCR SharePoint**	**Oct. 29** updated	**Nov. 24** updated

	[2]**Active CTE Concentrators** – students with CTE concentrator status and enrolled in CTE course in the reporting school year [3] **One -Year lag data**				
		eTIGER Locked on Nov. 25 for Step III			

Data File Access

To complete the full data review of LEA-reported data, CTE Directors will need access to the following applications.

1. eTIGER **Director access** (including Program of Study access)
2. SharePoint **CCR folder access** (College & Career Readiness SharePoint, CTE Director access)
3. Single Sign On (SSO) **Data Report access** (district user access)

If you do not have access to all three application, submit the [TDOE Application Access Form](#) to DT.Support@tn.gov to request access.

Updating Data in eTIGER

To update district reported data in eTIGER:

1. Un-approve the certified data on eTIGER "**District Approval"** linked page
2. Un-attest the class(es)
3. Make the change(s)
4. Attest the class(es)
5. Approve the updated data
6. Check back at eTIGER to ensure the updates

Data Review Instructions

The department will generate and release the data files at above listed data locations for review. As reports are released for each of the three data review steps, the division will send detailed instructions via the CTE Educator Newsletter.

The data review instructions for Step 3 are included in this document. Instructions will guide you through each report, step-by-step. CORE CTE consultants are available to provide technical assistance, as requested.

As a reporting section is completed, check the "Attest Report #" button on the "2020-21 Data Review" page at eTIGER to indicate completion for Reports VII and VIII by **Nov. 24, 2021**.

Report VII | Industry Credentials

1. **Purpose**: In 2020-21, Tennessee's Ready Graduate Indicators (RGI) included industry credentials (IC) to indicate a student's graduation readiness. Below are the RGIs:
   a. Earn a composite score of 21 or higher on the ACT (or 1060 or higher on the SAT); or
   b. Complete 4 early postsecondary opportunities (EPSOs); or
   c. Complete 2 EPSOs and **earn a Department promoted industry certification;** or
   d. Complete 2 EPSOs and earn a qualifying score of military readiness on ASVAB AFQT.

   In July 2021, LEAs were asked to self-report IC data. This change was made to address the low sharing rate of <60% directly from the multiple IC vendors. LEAs reported this data via provided spreadsheet template and submitted this file through OwnCloud, a state-supported database management portal.

2. **Source Data Notes:**
   a. As Sept. 23, 2021, 112 districts reported their 2020-21 IC data.
      1. 108 districts uploaded data through State Owncloud
      2. 4 reported through eTIGER classes.
      3. 14 districts did not report any IC credentials for their students.
   b. The Statewide reported IC pass rate is 82.27%.
   c. The [TN Promoted Student Industry Credentials](#) website provides the guidelines and listing for state promoted industry credentials.
      1. The state recommends aligned programs of study for each IC.
      2. Students can take <u>any</u> IC exams at any time, regardless of their course/program of study enrollment and/or credit.
   d. The current setting of IC report at eTIGER limits to students only enrolled in CTE classes to report their credential earning.
   e. **Feedback and suggestions are encouraged for strengthen IC data reporting and management.** Please send the inputs to Sheila Morris at (Sheila.K.Morris@tn.gov).

3. **Data Review Process:**

   > **Overview**
   > a. Review IC data files by cross checking with your district reported to State IC files.
   > b. Provide the update student IC records as requested format upload to State (see instructions below for details).
   > c. Once complete, attest Report VII on the eTIGER "2020-21 Data Review" page.

   a. Log in to CCR SharePoint and download the following review files related to IC reported data.
      1. LEA_VII_IC_pass_rate:
         a. Presented the school level IC pass rate by the reported ICs of schools.

b. Only the **TN Promoted Student Industry Credentials** were included in this pass rate calculation. (indicated as Y in column of "ValidIC" of the below reported data review file)

c. Pass rate was calculated based on the reported records with "pass" only.

2. LEA_VII_IC_reported_data:

a. Included the reported IC data with IC name and identified individuals (**with student StateID OR student's first and last name** reported).

b. Check the listed IC_reorted_data records with missing data of **school number, StateID, student name, or incorrect IC name**.

   Note: There were 282 records **with the district number missing**

c. Correct the above data and **upload to State OwnCloud:**

   a. Link:
      https://tncloud.tn.gov/owncloud/index.php/s/12VAM8Y05MandYg/authenticate

   b. Password: ic_review_update

d. Upload an **EXCEL file** with below **data elements (**please keep the same order**) for updated records** only:

   a. District_number
   b. District_name
   c. School_number
   d. School_name
   e. IC_name
   f. Valid_IC
   g. Student_lname
   h. Student_fname
   i. Stateid
   j. Exam_date
   k. Pass_fail
   l. Score
   m. Cut_score
   n. Max_score
   o. Sch_Year

e. A confirmation email will be sent soon after the updated data are received.

3. Certify Report VII on eTIGER "2020-21 Data Review" page to conclude the IC data review.

Report VIII | Perkins V Indicators – Performance of CTE Concentrators

1. **Purpose**: The Consolidated Annual Report (CAR) is a federal reporting requirement to receive Perkins funds. The CAR requires reporting on the Core Indicators of Performance (CIP) to show progress annually. The department complies the CTE data annually to complete this report.

2. **Source Data Notes:**
   a. Perkins V Indicator data is calculated based on Report III that was part of Data Review, Step 1. This data was **pulled from eTIGER as of Oct, 8, 2021.**
   b. Concentrators from Report III are then identified as one or both of the following target groups. Each CIP is calculated based on one of these target groups.
      1. **CTE Cohort Concentrators** – graduating cohort students with concentrator status
      2. **Active CTE Concentrators** – students with concentrator status and enrolled in a CTE course in the reporting school year

	Perkins V Indicator	Target Group	Data Source
1s1	CTE Cohort Concentrator Graduation Rate	CTE Cohort Concentrator	Accountability, graduate cohort data file. Flag for CTE concentrators.
2s1	Academic Proficiency in Reading/Language Arts	Active CTE concentrator	20-21 Active CTE concentrator ACT and end of course highest assessment outcome.
2s2	Academic Proficiency in Mathematics	Active CTE concentrator	20-21 Active CTE concentrator ACT and end of course highest assessment outcome.
2s3	Academic Proficiency in Science	Active CTE concentrator	20-21 Active CTE concentrator ACT and end of course highest assessment outcome.
3s1	Postsecondary Placement	CTE Cohort Concentrator*	Compiled from 20-21 eTIGER Follow-up report.
4s1	Nontraditional Program Enrollment	Active CTE concentrator	20-21 Active CTE concentrator Nontraditional 20-21 POS.
5s3	CTE Cohort Concentrator WBL Enrollment	CTE Cohort Concentrator	Accountability cohort file, CTE WBL course enrolment.
5s4	TN Ready Graduate	CTE Cohort Concentrator*	Ready Graduate data provided by the Data Use group

Note: *1-year lag data

   c. Below are the business rules used to calculate each indicators:
      1. **1S1** - **4-Year Graduation Rate**
         a. Numerator (1S1n): The count of **CTE cohort concentrators** who were included in the numerator of State's computation of its graduation rate in the reporting year.
         b. Denominator (1S1d): The count of **CTE cohort concentrators** who were included in the denominator of State's computation of its graduation rate in the reporting year.
            Note: The value of this 1S1 should be the same as the final CTE cohort graduation rate which State Accountability released.
      2. **2S1 - Academic Proficiency in Reading/Language Arts**
         a. Numerator (2S1n): The count of **CTE active concentrators** in end-of course English II test having performance level of proficient (on track) or advanced (mastered) or ACT Reading Assessment score 22 or above.

b. Denominator (2S1d): The count of **CTE active concentrators** who took end-of-course English II test or ACT Reading Assessment.

3. **2S2 - Academic Proficiency in Mathematics**
   a. Numerator (2S2n): The count of **CTE active concentrators** in end-of course Algebra II or Integrated Math III test having performance level of proficient (on track) or advanced (mastered) or ACT Math Assessment score 22 or above.
   b. Denominator (2S2d): The count of **CTE active concentrators** who took end-of course Algebra II or Integrated Math III test or ACT Math Assessment.

4. **2S3 - Academic Proficiency in Science**
   a. Numerator (2S3n): The count of **CTE active concentrators** in end-of course Biology test having performance level of proficient (on track) or advanced (mastered) or ACT Science Assessment score 23 or above.
   b. Denominator (2S3d): The count of **CTE active concentrators** who took end-of course Biology test or ACT Science-Biology Assessment

5. **3S1 - Postsecondary Placement***
   a. Numerator (3S1n): The count of prior year **CTE cohort concentrators** who graduated and who were entered into postsecondary education or advanced training, in military service, in national community service or Peace Corps, or had employment in the second quarter after exiting from secondary education.
   b. Denominator (3S1d): The count of prior year **CTE cohort concentrators** who graduated in the same reporting year as the numerator of 3S1.
      Note: This indicator shows the first year of Perkins V postsecondary Placement.

6. **4S1 - Non-traditional Program Enrollment**
   a. Numerator (4S1n): The count of **CTE active concentrators** from underrepresented gender groups who enrolled in a non-traditional program of study in the reporting year.
   b. Denominator (4S1d): The count of **CTE active concentrators** who enrolled in a non-traditional program of study in the reporting year.
      Note: Link to the [Nontraditional Program of Study of 2020-21](#).

7. **5S3 - Program Quality through Work-Based Learning**
   a. Numerator (5S1n): The count of **CTE cohort concentrators** who were enrolled in any of the State listed WBL courses.
   b. Denominator (5S1d): The count of **CTE cohort concentrators** who were identified in the reporting year.
      Note: Link to the [CTE 2020-21 WBL course list for Perkins](#)

8. **5S4 - Program Quality through "Ready Graduate" Attainment**
   a. Numerator (5S2n): Count of prior year **CTE cohort concentrators** who were included in the numerator of TN "Ready Graduate" in the reporting year.
   b. Denominator (5S2d): Count of prior year **CTE cohort concentrators** who were included in the denominator of TN "Ready Graduate" in the reporting year.

> **Note:** The value of this 5S2 should be the same as the Ready Graduate for CTE Concentrators indicated on the State Report Card.

3. **Data Review Process:**

Overview
   a. Review indicator data file in SharePoint.
   b. Email requests to change data for any data updates to Li-Zung.Lin@tn.gov (copy to CORE CTE Consultants) with the support evidence/documents.
   c. Attest the Report VIII on the eTIGER "2020-21 Data Review" page.
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a. Access data files on SharePoint and review data files identified below.
   1. LEA_VIII_indicator: data values for all eight 2020-21 Perkins CAR indicators
      a. State-level (school column shown as "9999")
      b. LEA level (school columns shown as "0")
      c. School-level (with State assigned schoolid)
   2. LEA_VIII_student_data: student-level data used to calculate the core performance indicators, including data elements of:
      a. LEAID
      b. SchoolID
      c. Student StateID
      d. Indicator criteria (indicator details listed as below)
      e. Numerator (n) indication – to pull out the data included in the numerator
      f. Denominator (d) indication – to pull out the data included in the denominator
      g. Subgroup categories
         1. Gender
         2. Race/Ethnicity
         3. Disability Status
         4. Economically Disadvantage Status
         5. Single Parent Status
         6. English Learner Status
         7. Migratory Status
         8. Nontraditional Enrollees
         9. Homeless Enrolled Status
         10. Foster Care Status
         11. Military-Connected Student Status
         12. Career Clusters
      h. Indicator criteria
         1. 1S1 - 4-Year Graduation Rate
            a. Cohort Year =2017
            b. Include in cohort Year = Y
            c. CTE = Y
            d. Completion Type = 1, 11, 12, or 13 for 1S1n

2. 2S1-2S3 - Academic Proficiency
   a. Value_test_subject area =1 for 2s1-3d
   b. Passed_subject area =1 for 2s1-3n
3. 3S1 - Postsecondary Placement
   a. Exclude = blank
   b. Not Located = blank
   c. Grad = 1
   d. For 3S1n
      i. Postsecondary =1 OR
      ii. Military = 1 OR
      iii. Community Service = 1 OR
      iv. Employed =1
4. 4S1 - Non-traditional Program Enrollment
   a. Nontral_enroll = Y (students enrolled in any course of the nontraditional program of study)
   b. Nontral_gender = Student gender for 4s1n
5. 5S3 - Program Quality through Work-Based Learning
   a. Cohort CTE Concentrator
   b. WBL_enroll = Y for 5S3n
6. 5S4 - Program Quality through "Ready Graduate" Attainment
   a. Cohort CTE Concentrator (19-20 school year)
   b. Ready_graduate = N or Y for 5S4d
   c. Ready_graduate = Y for 5S4n
      i. Earned a regular HS diploma (Completion Type = 1, 11, 12, or 13) and meet at least one of the below Ready Graduate indicators:
         1. Earn a composite score of 21 or higher on the ACT (or 1060 or higher on the SAT); or
         2. Complete 4 early postsecondary opportunities (EPSOs); or
         3. Complete 2 EPSOs and earn a Department promoted industry certification; or
         4. Complete 2 EPSOs and earn a qualifying score of military readiness on ASVAB AFQT.

b. Once the above review has been conducted, if you have any requests for data changes email Li-Zung.Lin@tn.gov (copy to the CORE CTE Consultant) with the supporting documentation for the concerns.
c. If no changes are needed, click the "Attest Report VIII" button on the "2020-21 Data Review" page in eTIGER.
   Note: Make sure all "Attest Report #" button on the "2020-21 Data Review" page in eTIGER have been checked to indicate the completion of all data review by **Nov. 24**.

Congratulations, you have completed all three steps the 2020-21 CTE Data Review!