**Standard 1 – Plan for TPACK Assessments**

**1.5 Providers ensure that candidates model and apply technology standards as they design, implement and assess learning experiences to engage students and improve learning; and enrich professional practice.**

**Relationship to the Standard**

The TPACK Technology Integration Assessment Rubric and the Technology Integration Observation Instrument are considered proprietary were developed by the College of William and Mary to help teacher educators to assess evidence of candidates’ knowledge for technology integration, or TPACK (technology, pedagogy, and content knowledge). These assessments are recommended to assess candidates as they model and apply technology standards as they design, implement, and assess learning experiences to engage students and improve learning; and enrich professional practice. Using the technology, pedagogy, and content knowledge (TPACK) framework is a way to think about effective technology integration, recognizing technology, pedagogy, content and context as interdependent aspects of candidates’ knowledge necessary to teach content-based curricula effectively with educational technologies. These assessments have been tested for multiple types of reliability and validity, and have proven to be robust tools.

**Description of the Evidence Collection**

The EPP initiated the following steps to meet standard 1.5. After carefully researching assessments for technology integration, the EPP identified the TPACK framework assessments developed by the University of William and Mary. (See *Journal of Research on Technology in Education* article.)

During the fall 2019 and spring 2020 semesters, the EPP will implement the TPACK assessments to gather data on candidate .

**Timeline**

|  |  |
| --- | --- |
| **Academic Semester** | **Actions** |
| Fall 2019 | * Pilot of Technology Integration Assessment Rubric with EDUC 301/EDUC 530 candidates and Technology Integration Observation Instrument with student teacher. * Train University Supervisors on the Technology Integration Observation Instrument. * Review of data Fall 2019 |
| Spring 2020 | * Full implementation of TPACK framework * Train University Supervisors on the Technology Integration Observation Instruement. * Analysis and Dissemination of TPACK Data |

**Resources**

The following resources will be required in order to pilot the TPACK rubrics and to utilize the TPACK rubrics for initial candidates:

*Financial*

* All of the instruments available are available for EPP use via a noncommercial, attribution, no derivatives Creative Commons License at no cost to the EPP.

*Human*

* EPP faculty
* University Supervisors

**Data Quality**

Data generated from the TPACK assessments offer the EPP multiple measures of candidates across time to promote continuous improvement efforts based on measurable, valid, and reliable data. The TPACK assessments are research-based, valid and reliable measures (rubrics) of teacher candidates’ knowledge of technology integration..