

Content Product Deliverables

T&E Product Deliverables.

Installed T&E products: For T&E products with content that is installed and later accessed or executed by the learner using an operating system option or the T&E product icon, the contractor shall deliver an industry standard installation file which contains all necessary instructions and files that execute a complete installation without any manual file manipulation requirements. All T&E products delivered as installation files shall:

- Have an “uninstall” option which will remove all physical files placed on the host machine and remove any controls or launch icons delivered at installation time. An “uninstall” standalone routine that is identified on the splash screen is an acceptable substitution.
- Have a stand-alone installation technical description file. At a minimum this file will present detailed information concerning each installation options and complete listings of all file movements and file modifications for each installation option.

Packaged T&E Products: For all other T&E products the contractor shall deliver content following the SCORM content packaging technical details as presented in the SCORM Content Aggregation Model’s (CAM) book. The SCORM CAM book describes packaging components used in a learning experience into a single compressed, structured file. The SCORM CAM book presents two types of packaging profiles, the Resource Content Package Profile and the more complex Content Aggregation Content Package Profile. Each profile provides the details for creating SCORM Package Interchange Files, or PIFs. For each T&E content deliverable the contractor shall combine logically determined learning object(s) or file set(s) into the appropriate Package Interchange File (PIF).

SCORM packaging requirements: For all T&E content products that will be loaded into an LMS for delivery to the learner, the contractor shall provide the government with the more complex Content Aggregation Content Package, i. e., a PIF with an organization section. For all T&E content products that can be delivered to a learner without being loaded into an LMS the contractor shall provide the government with a Resource Content Package, i. e., a PIF without an organization section.

Other packaging requirements: The contractor shall ensure that all files/folders in each and every PIF conform to the file/folder naming scheme in section “Content Design Specifics” of the SCORM® Business Rules. Additional requirements for Resource Content Packages:

- The contractor shall ensure each Resource Content Package creates the required sub-folder structure upon using the full file extraction.
- Resource Content Packages shall require no more than two levels of folders created to deploy and install.

For example: the T&E product content load operation may require creating a root folder and a sub-folder for each module. Resource Content Packages could then be

copied to the correct folder locations and a full file extraction on each Resource Content Package completes the installation.

Packaging compression requirements: SCORM requires that the PIF be conformant with RFC 1951 [12]. In addition to this requirement, SCORM mandates that the archive format be PKZip v2.04g (.zip). This .zip file is conformant to RFC1951.

Unique Submission Identifier: For tracking purposes, the contractor shall create a unique submission identifier (the creation date formatted as YYYYMMDD) (For example 25s10-0012-final_20050921 **or** 20050921_25s10-0012-final). The contractor shall deliver the T&E product on CD-ROM or DVD. The contractor shall ensure each CD-ROM or DVD label and correspondence includes this unique submission identifier.

Meta-data provided using SCORM® Meta-data specifications: At the government's request, the contractor shall develop product meta-data and module level aggregation meta-data in accordance with the sections "Meta-Data" and "Programming Examples" of the SCORM® Business Rules. The supplied meta-data files shall include a top level meta-data file.

- For T&E products with content delivered in an installation file; the top level meta-data shall describe the contents and operation of the installed T&E product.
- For T&E products with content delivered in a SCORM Package Interchange File (PIF); the top level meta-data shall describe the PIF contents as a whole.