ICTSAS408 Complete data transition in data migration process

Release: 1

ICTSAS408 Complete data transition in data migration process

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to undertake manipulation, migration and conversion of data between systems or databases while maintaining data integrity.

It applies to individuals who use technical and specialised knowledge, and apply a systematic approach to perform operations relating to the implementation of new systems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Systems administration and support

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Perform data transition	1.1 Identify and document data that is to be migrated, transferred or archived
	1.2 Collect required data, target database requirements and implementation details
	1.3 Clean up data to match new data structures and rules
	1.4 Write and test conversion programs if required by the implementation plan, or use conversion tools
	1.5 Ensure clean data take-on by re-keying or converting according to database requirements and conversion plan
	1.6 Migrate data to target environment

ELEMENT	PERFORMANCE CRITERIA
	1.7 Archive data according to requirements
2. Check data transition	2.1 Run reports and other tests on old and new data to verify the quantity and quality of data transition
	2.2 Run production or specialised programs against data to confirm control totals
	2.3 Check referential integrity and data constraints and requirements against database requirements and conversion plan
	2.4 Verify that data transition has been completed according to requirements and plans

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.3, 2.1, 2.2, 2.3	• Compares and contrasts complex technical information and numerical data from different sources to determine requirements and complete necessary actions
Writing	1.1, 1.4	• Develops material using specific and technical language, and organises content in a manner that supports the purpose of the document
Numeracy	2.1, 2.2	• Uses mathematical equations to calculate quantities and to compare numerical data against technical requirements to determine required actions
Get the work done	1.1-1.7, 2.1-2.4	• Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes • Uses main features and functions of digital tools to complete work tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS408 Complete data transition in data migration process	ICASAS408A Complete data transition in data migration process	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2