ICTDAT601 Develop data integration strategies

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

Application

This unit describes the skills and knowledge required to analyse complex data in workplace contexts to inform data integration strategies. It includes analysing data trends and contextualising insights according to industry and organisational requirements.

The unit applies to individuals who may work in a variety of roles across a range of industries such as professional, scientific and technical services, who independently analyse complex data in workplace contexts.

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

Unit Sector

Data analytics

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. Prepare to contextualise data insights	1.1 Confirm work brief and tasks according to organisational policies and procedures 1.2 Evaluate data analysis objectives according to work brief 1.3 Analyse circumstances where complex organisational data must be interpreted, processed and shared 1.4 Source analysis documentation for cleansed data from required personnel
2. Analyse data and contextualise insights	2.1 Analyse cleansed data according to work brief 2.2 Finalise data analysis according to organisational policies

ELEMENT	PERFORMANCE CRITERIA
	and procedures
	2.3 Assess reliability, accuracy and validity of data analysis
	2.4 Identify trends and patterns in data analysis insights
	2.5 Align analysis insights with objectives of specific industries according to work brief
3. Build data integration strategy based on contextualised insights	3.1 Confirm that analysis insights are contextualised appropriately according to work brief
	3.2 Produce data integration strategy using contextualised insights for required industry
	3.3 Confirm that data integration strategy meets organisational policies and procedures
	3.4 Finalise required documentation according to work brief
	3.5 Distribute data integration strategy to required industry personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Oral communication	• Uses active listening and questioning to convey and clarify information and to confirm understanding
Reading	• Critically analyses complex documentation from a variety of sources and consolidates information in work tasks
Writing	• Develops material for a specific audience using clear and detailed language in order to convey explicit information, requirements and recommendations
Planning and organising	• Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficient and effective outcomes
Problem solving	• Develops solutions for advanced data problems in complex and sometimes changing contexts

Unit Mapping Information

No equivalent unit. Newly created unit.

Links

Companion Volume Implementation Guide is found on VETNet - -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2

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