



Australian Government

ICTDBS408 Link an RFID system to a database

Release: 1

ICTDBS408 Link an RFID system to a database

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 transfer radio frequency identification (RFID) data to a database.

It applies to individuals who are required to maintain RFID data and make it available to an RFID system.

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

Unit Sector

Database

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine the data mapping and integration requirements	1.1 Identify and document the format of the data from the RFID system, including data schema 1.2 Collect the required data, target database requirements and implementation details, ensuring the uniqueness of entries
2. Perform data transition	2.1 Write and test conversion programs, and use conversion tools 2.2 Ensure clean data take-on by converting according to database requirements 2.3 Use database adaptors and interfaces for data transition
3. Check data transition	3.1 Verify that the data transition has been completed,

ELEMENT	PERFORMANCE CRITERIA
	according to the requirements 3.2 Document programs, procedures and processes, according to the requirements of the client 3.3 Provide conversion reports to the client for sign-off

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, 1.2, 3.1	Analyses and interprets textual information to establish requirements and verify data
Writing	1.1, 1.2, 2.1, 3.2, 3.3	Uses appropriate technical language, format and layout when recording data and producing technical documentation
Oral Communication	1.1, 1.2, 3.1, 3.3	Uses active listening, questioning and summarising skills when gathering information and negotiating best project outcome
Get the work done	1.1, 1.2, 2.1, 2.2, 2.3, 3.1	- Sequences and schedules complex activities, monitors implementation, and manages relevant communication during data mapping and integration requirements - Uses familiar digital technologies and systems to access information, search and enter data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTDBS408 Link an RFID system to a database	ICADBS408A Link an RFID system to a database	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTDBS408 Link an RFID system to a database

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Performance Evidence

Evidence of the ability to:

- identify formats of radio frequency identification (RFID) system output and data fields in database
- analyse, write, install and test conversion programs
- identify format of data fields of database
- write, or obtain, and install conversion software
- compile entries in database reports.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- identify the client database's data structures
- describe client data management, data security policy, and procedures
- describe and apply data analysis in determining;
 - data types
 - data structures
 - queries
 - report design
- identify the data source names in use by the organisation
- describe the open database connection (ODC)
- list the primary files, and requirements, of transaction logs to confirm appropriate database activity
- outline quality assurance practices
- identify the required software tools
- outline the system's data requirements

- define the system's current functionality
- identify the website foundation.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the database field of work, and include access to:

- industry software packages
- conversion tools
- the database's software
- networked computers
- organisational guidelines
- radio frequency identification (RFID) equipment specifications.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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