



Australian Government

Department of Education, Employment and Workplace Relations

ICPMM492D Create an extensible style sheet

Release: 1

ICPMM492D Create an extensible style sheet

Modification History

Release	Comments
Release 1	This Unit first released with <i>ICP10 Printing and Graphic Arts Training Package</i> version 2.0. Prerequisite unit requirement updated to equivalent current version. Replaces ICPMM492C Create an extensible style sheet.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to create an extensible style sheet.

Application of the Unit

This unit requires the individual to create extensible style sheets for electronic publishing or online documents including computer screens and handheld devices. The individual will incorporate the presentation and transformation requirements in the style sheets and templates.

For this unit the extensible style sheet transforms the XML/PPML into screen or print output while ICPMM491D Create an extensible document is the data-store.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit of competency.

Pre-Requisites

ICAWEB429A Create a markup language document to specification

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Element	Performance Criteria
<i>Elements describe the essential outcomes of a unit of competency.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</i>

Elements and Performance Criteria

1. Prepare the source document	1.1 The source document is validated as free of errors 1.2 The style and transformation requirements of the source document are confirmed 1.3 Advanced styling requirements are confirmed as required 1.4 The different media, display formats and target audience preferred platforms and abilities are confirmed 1.5 The source document is prepared for the style sheet
2. Create the style sheet	2.1 Multiple templates are designed and applied to the style sheet 2.2 The style sheet is developed using the required presentation styles 2.3 Transformation requirements are incorporated into several style sheets 2.4 The style sheet is associated/linked with the source document and tested
3. Test the style sheet	3.1 The style sheets are validated to ensure correct presentation and transformation 3.2 The style sheet is updated if errors occur and validated again 3.3 The style sheet is linked to a data-store and to a digital template and tested 3.4 The style sheet is extensible to meet future business needs

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- OHS in relation to operating machinery such as safely switching off machinery before cleaning is started
- communication of ideas and information applied by developing style sheets that use the required presentation styles
- collecting, analysing and organising information by confirming the different media, display formats and preferred target audience platforms and abilities
- planning and organising activities by preparing the source document prior to creating the style sheets
- teamwork when maintaining the production process in association with others
- mathematical ideas and techniques applied by confirming the style and transformation requirements of the source document
- problem-solving skills applied by developing an extensible style sheet free of errors
- use of technology applied by using industry software to create an extensible style sheet.

Required knowledge

- document Style Semantics and Specification Language (DSSSL)
- application of DSSSL where it can be used to develop an extensible style sheet
- XSL
- how Cascading Style Sheets (CSS) and XSL differ
- intended purpose of XSL
- HTML
- when to use an extensible mark-up language over HTML and why
- Ways to use both with the one set of data
- PPML
- how Personalised Print Mark-up Language relates to XML
- metadata and PRISM
- providing a work-based example of the application of Metadata and/or PRISM.
- essential differences between these functions.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Evidence of the following is essential: • create extensible style sheets for electronic publishing or online documents • for valid and reliable assessment of this unit, evidence should be gathered over a period of time through a range of methods for assessment to indicate consistent performance • evidence for assessment may be gathered from assessment of the unit of competency alone or through an integrated assessment activity.
Context of and specific resources for assessment	Assessment must ensure: • assessment may take place on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment • industry standard software and relevant hardware.
Method of assessment	The following assessment method is appropriate for this unit: • direct questioning combined with review of portfolios of evidence and third party workplace reports of on-the-job performance by the candidate.
Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example: • ICPMM491D Create an extensible document • ICPPP494C Develop document content and structure • ICPPP485C Develop a digital data template.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Advanced styling requirements may include:	headers, footers, page numbers and page number citations and other pagination semantics for print-oriented rendering for a range of measurements.
Media may include:	screen, paper or voice for example.
Display formats may include:	HTML, PDF, Braille and typesetting languages.
Style sheets may include:	this unit does not cover Cascading Style Sheets (CSS).
Mark-up language may include:	new languages markup languages are becoming available regularly and examples include XML and PPML. This unit does not cover HTML which is covered by another unit ICAWEB429A Create a markup language document to specification.
Document purpose may include:	electronic publishing, e-commerce, web services, interchange of data amongst different applications, software configuration files.
Electronic Publishing may include:	electronic publishing in this context does not mean the use of page layout applications but rather the development of content to meet the needs of different audiences and different output devices.

Unit Sector(s)

Multimedia