CU-101.4

Introduction to Testing

Intro to Job Task Analysis

Part 2

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What you'll learn > > >

🎓 Task elicitation	🎓 Conducting a survey
🎓 Analyzing survey data	📖 Relevant Terminology

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Why a JTA is needed > > >

An **Exam** should be based on a thorough analysis of curriculum, job, or role

> It is critical to know what the exam needs to assess!

> A JTA tells you what content areas need to be assessed by your exam

> ... and provides the relative weighting of those content areas

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Elicitation ... identifying tasks > > >

Task **Elicitation** is used to identify tasks

> Goal: Identify relevant tasks

Task Elicitation requires:

> A well-defined Job Role

> A representative group of Subject Matter Experts [SMEs]

> SME training & facilitation

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Elicitation ... identifying tasks, cont. > > >

SMEs are Trained and sponsor Facilitates task authoring

> Goal: Identify relevant tasks

Training & Facilitation requires:

> SMEs to fully understand job role

> SMEs learn & follow task authoring best practices

> Oversight, coordination, & facilitation of activities

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Elicitation ... identifying tasks, cont. > > >

Task **Elicitation** is complete when all [or most] relevant tasks are identified

> Goal: Identify relevant tasks

Task Elicitation results in:

> A set of tasks describing the activities performed in the job role

> [Often] A set of Domains used to group the tasks into broad content areas

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Survey ... gathering data about tasks > > >

A JTA **Survey** is administered to gather data about the tasks

> Goal: Broad review of tasks provides support and validity

JTA Surveys require:

> A [larger] representative group of SMEs

> A well-defined job role

> The set of tasks generated during the elicitation phase

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Survey … gathering data about tasks > > >

Survey participants rate the tasks

> Goal: Broad review of tasks provides support and validity

Survey participants

> … rate tasks on various dimensions such as Importance & Frequency

> … identify tasks missed during initial task elicitation

> … [typically] provide demographic information about themselves

JTA Surveys result in:

> A set of survey response data or **Results**

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Analysis … identifying the critical tasks > > >

Analysis determines the critical tasks

> Goal: Sort the critical from the non-critical tasks

JTA Analysis requires:

> A supportable rationale for filtering survey results

> The ability to apply relevant statistical analyses

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Analysis … identifying the critical tasks > > >

Analysis identifies the domains to be addressed in the exam

> Goal: Sort the critical from the non-critical tasks

JTA Analysis results in:

> A set of calculated Task Ratings describing [typically] their importance and frequency

> A calculated measure of Criticality for each task

> Identification of content domains that should be assessed

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