

# ISTQB® Certified Tester Advanced Level - Technical Test Analyst

In our certification training course we educate you being an ISTQB® Technical Test Analyst (CTAL-TTA). Our training contents correspond to the current CTAL-TTA curriculum. We offer our seminars in cooperation with Integrata Cegos.

## TARGET GROUP

- Software tester, developers, test manager, members of specialist departments and quality manager

## REQUIREMENTS

- Extensive experience in software testing, project management and software development (minimum of 18 months verifiable testing experience)
- ISTQB® Foundation certificate e.g. after visiting the training course of CGI

## TRAINING GOALS

- Methods for specification and execution of software tests using specification-based (black box) and structure-oriented (white box) and complementary test techniques.

## TRAINING CONTENT

The training covers the following topics:

- **Technical tester and risk-based testing:** Identification, evaluation and control of risks
- **Structure-oriented testing techniques:** Condition test - Decision test - Multiple condition test - Path test - API test - Selection of structure-oriented procedures
- **Analytical test procedures - Static analysis:** Control and data flow - Maintainability - Call graphs
- **Analytical test procedures - Dynamic analysis:** Memory leaks - System performance
- **Quality feature for technical tests:** Stakeholder requirements - Tools - Test environment - Data security test - Reliability tests -



## ISTQB® CERTIFIED TESTER ADVANCED LEVEL - TECHNICAL TEST ANALYST (CTAL-TTA)

- Technical tester and risk-based testing
- Structure-oriented testing techniques
- Analytical test procedures - Static analysis
- Analytical test procedures - Dynamic analysis
- Quality feature for technical tests
- Review types
- Testing tools and automation
- Specific tools

Performance - Resource utilization - Maintainability and transferability/portability

- **Review types:** informal review - walkthrough - technical review - inspection - verification of program code, architecture and technical requirements - architecture and code reviews
- **Testing tools and automation:** Test categories - Integration and information exchange between test tools - Definition of a test automation project - Modelling of business processes
- **Specific tools:** Error implantation - Performance testing tools - Web and model based testing - Component test and build tools

## METHODS

- Lecture, discussion, exercises and case studies

## NOTES

- It is highly recommended working on the learned material and exercises for exam preparation.
- During the course additional documents may be sent by the trainer, therefore the access to your e-mails could be helpful.

## DURATION, PLACES, DATES

- The training lasts four days (24 hours)
- The certification examinations for the ISTQB® Certified Tester Advanced Level - Technical Test Analyst can be booked individually online or taken at a test center.

## ABOUT CGI

We are a global service provider for IT and business processes with a total of more than 90.000 employees. At 400 locations, we offer holistic, scalable and sustainable services for 21 industries - globally supported and locally implemented. Our portfolio includes top-level IT and business consulting, systems integration, managed IT, business process services and intellectual property. The focus of our strategic consulting is to improve business agility and change management; our IP serves to accelerate innovation.

With more than 10,000 colleagues worldwide in the quality and test environment, with own test solutions and several TestFactories in DE, CGI is one of the leading service providers in SW quality management and SW testing. Benefit from our years of cross-industry experience.

## For more information

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