



ArtemiS SUITE
Project

Code 50500

APR 500 Jury Testing - SQala Basic

Jury Testing - SQala Basic of ArtemiS SUITE is the core of the modular SQala software. Use SQala Basic to create listening test scenarios and perform listening tests as Local Sessions. ASP 501 and ASP 502 are available for listening tests to be performed in listening studios and distributed sessions.

OVERVIEW

APR 500 Jury Testing - SQala Basic

Code 50500

Jury Testing - SQala Basic forms the basis of SQala and provides a structured and intuitive way to create suitable listening test scenarios. For this purpose, the project provides a modern and clearly structured layout, enabling you to easily create simple or complex listening tests in no time. The listening tests can be customized, stored, and reused for various listening test scenarios as required.

Using SQala significantly reduces the time and effort required for performing and evaluating the listening tests.



KEY FEATURES

Creating listening tests and performing the test with individual participants

- › Clear and structured user interface
- › Creating complex listening tests in no time
- › Modern, functional page design
- › Custom design options
- › Performing different types of listening tests:
 - › Category Judgment
 - › Simultaneous Category Judgment
 - › Simultaneous Category Judgment with Ranking
 - › Semantic Differential
 - › Paired Comparison
 - › Multi-Attribute Paired Comparison
 - › Ranking

Listening test scenarios:

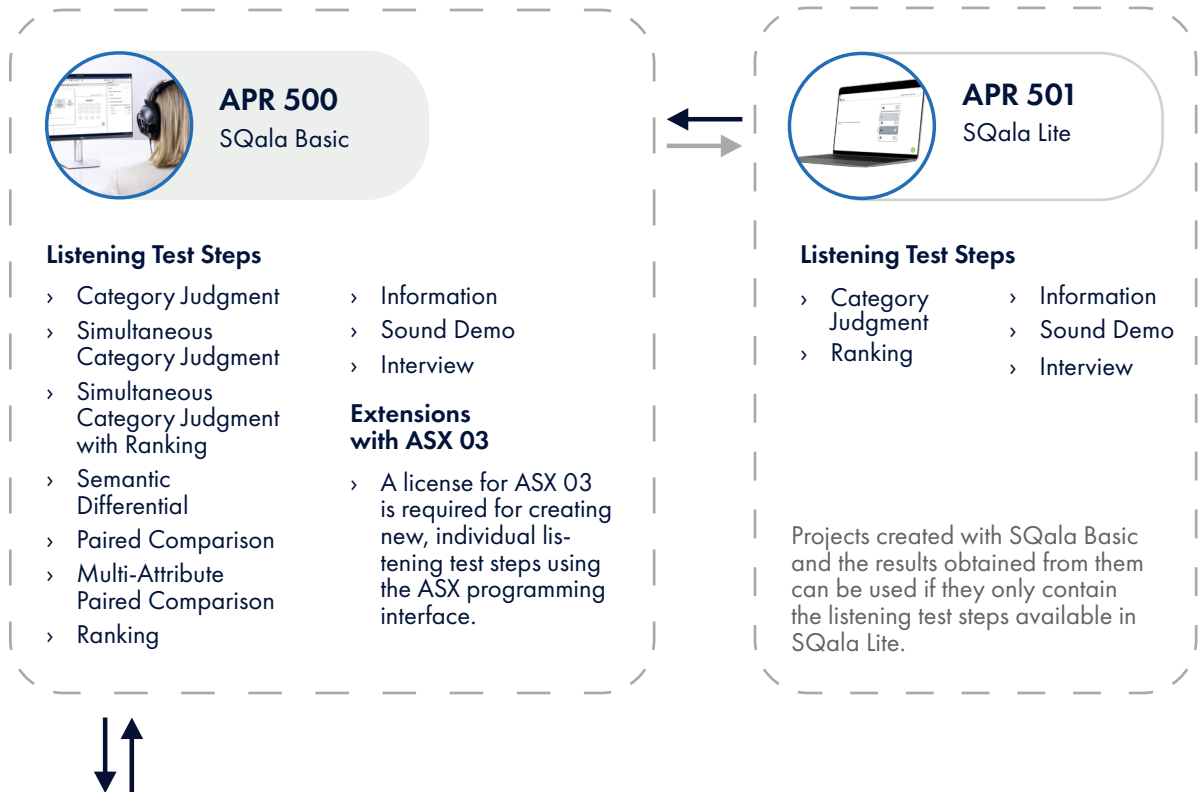
- › Listening tests for individual participants (Local Sessions)
- › In addition to SQala Basic, SQala Net (ASP 501) and SQala Server (ASP 502) are required for listening tests with several participants in listening studios (Individual Mode or Group Mode) or distributed sessions
- › SQala Lite (APR 501) is available as a cost-effective solution for listening tests with a reduced range of functions with individual participants

APPLICATIONS

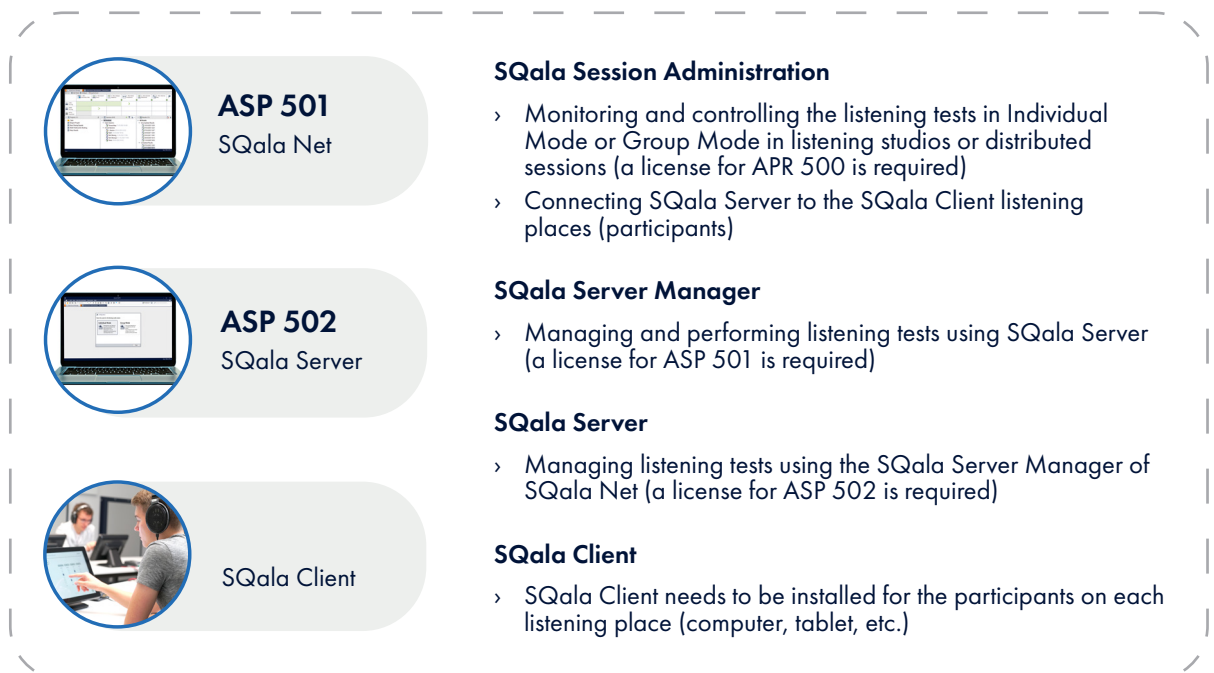
- › Benchmarking
- › Defining target sounds
- › Optimizing product sounds



Creating and Performing Listening Tests for Individual Participants (Local Sessions)



Performing Listening Tests for Multiple Participants in Listening Studio Sessions (Individual Mode or Group Mode) or Distributed Sessions



DETAILS

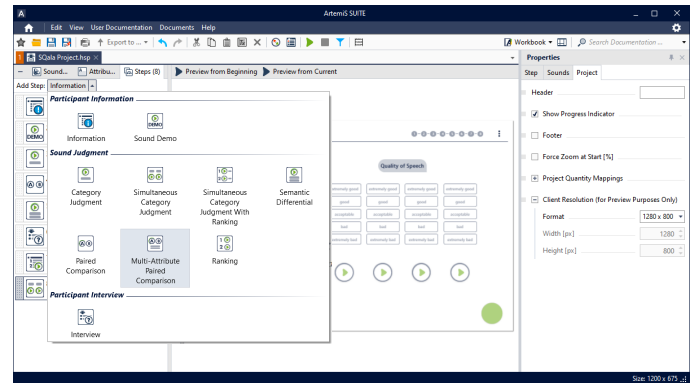
Creating and Performing Listening Tests

SQala Basic provides a uniform, functional page layout that can be used to create a complete listening test in no time. Listening test steps can be individually combined and intuitively put together step-by-step to create listening tests. This enables even comprehensive listening tests to be created quickly and reliably.

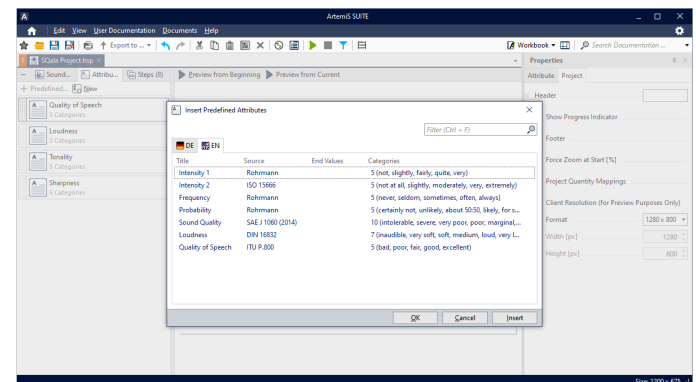
Listening Test Steps

There are several predefined listening test steps available that can be used to set up individual listening tests with just a few clicks:

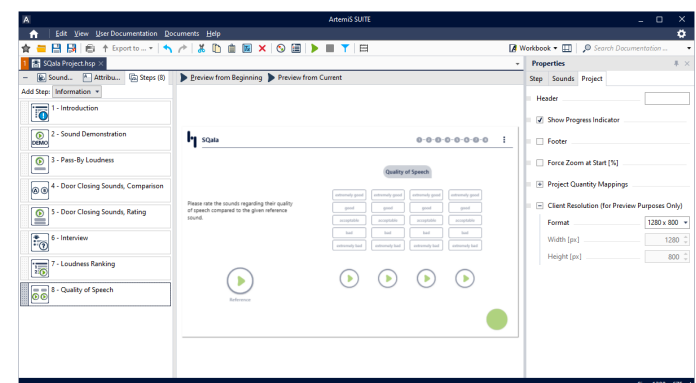
- › Information
 - › Instructions or other information for participants
- › Sound Demo
 - › Presenting extreme sounds or the complete sound spectrum, for example
- › Category Judgment
 - › Evaluating a sound based on one attribute
- › Simultaneous Category Judgment
 - › Evaluating several sounds simultaneously based on one attribute
- › Simultaneous Category Judgment with Ranking
 - › Sorting several sounds into the desired order based on one attribute
- › Semantic Differential
 - › Comparing a sound based on one or more attributes
- › Paired Comparison
 - › Comparing two sounds based on one attribute



To determine a suitable layout, you can select and further customize your pages from various listening test steps.



There are various options available to quickly configure the rating attributes. Manual processing is also possible.



Listening test steps

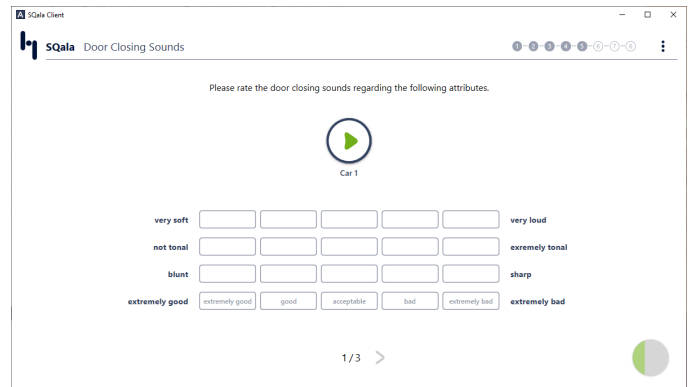
- › Multi-Attribute Paired Comparison
 - › Comparing two sounds based on several attributes
- › Ranking
 - › Sorting several sounds into the desired order according to the instruction
- › Interview
 - › Requesting information that participants may or may have to provide during the listening test
- › Personal, individual listening test steps
 - › Developing new listening test steps using the ASX 03 SQala Extension API programming interface (a license for ASX 03 is required; only possible in SQala Local Sessions)
 - › Seamlessly integrating new listening test steps into a SQala listening test

Preview

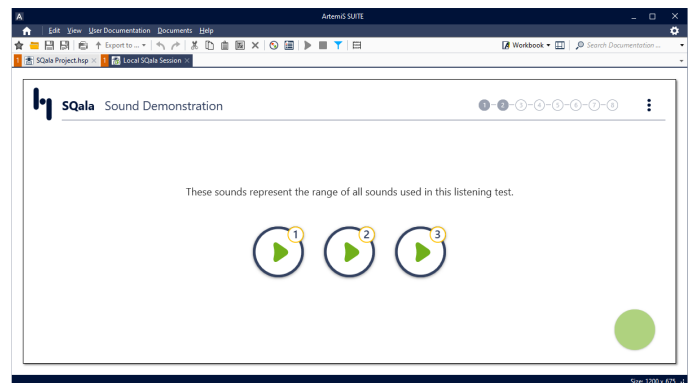
The preview always displays the current status of the listening test as a participant would see it. This applies to both the number of pages and the layout.

Performing Listening Tests in Local Mode

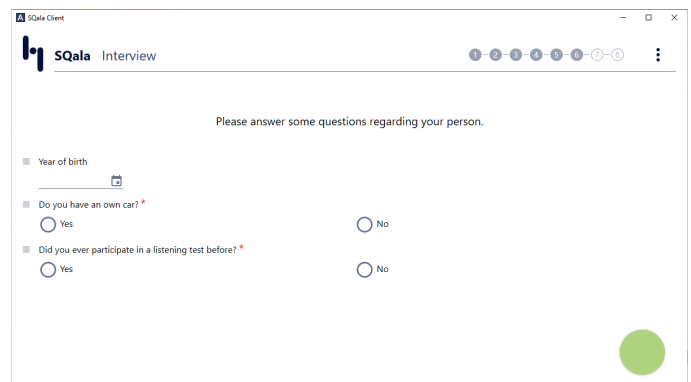
You can open your SQala Projects immediately in local mode and use them to perform listening tests with several participants in succession, for example.



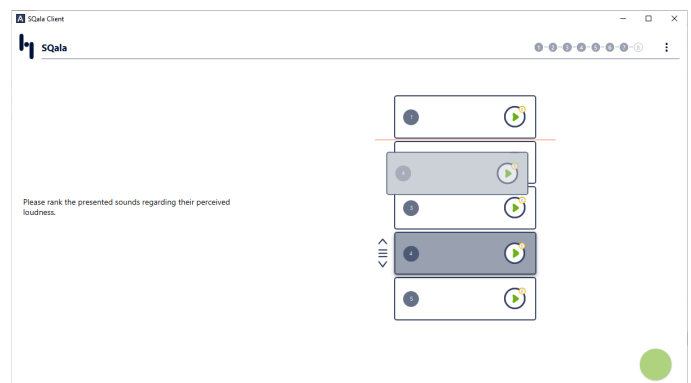
Preview: Example of a listening test



Sound demonstration in local mode



Listening test step Interview



Listening test step Ranking

SQala Net and SQala Server

SQala Net (ASP 501) and SQala Server (ASP 502) are required for your SQala Projects to be used simultaneously for several participants in listening studios (Individual Mode or Group Mode) or in distributed sessions.

SQala Lite

SQala Lite (APR 501) is a cost-effective alternative to SQala Basic with a reduced range of functions, enabling you to quickly and easily create listening tests and perform them with individual participants (SQala Local Sessions).

Creating New, Individual Listening Test Steps: SQala Extension API (ASX 03)

The ASX 03 programming interface enables you to create individual listening test steps based on C# and .NET Framework and integrate them into a SQala listening test. The individual listening test steps created with ASX fit in seamlessly. In addition, the same control options are available for both the new and the standard listening test steps.

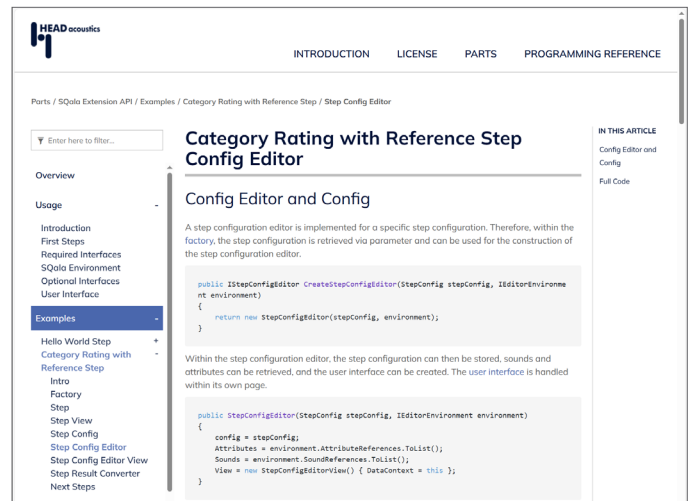
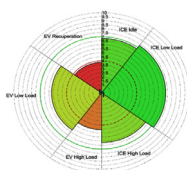
ASX 03 also includes a detailed documentation with various examples, practice-oriented model applications, and programming references to help you program your new listening test steps with ease.

For the time being, listening tests with individually created listening test steps can be performed in local mode, but not in listening studios or distributed sessions.

Evaluating SQala Test Results for a Sound Quality Index

XML result files from a SQala Project can be directly integrated into a Metric Project (APR 570 is required). You can select the rating (step or attribute) for which the metric of the listening test steps Category Judgment, Semantic Differential, and Simultaneous Category Judgment of a SQala Project is to be calculated.

The close connection between SQala and the Metric Project enables the results of time-consuming and cost-intensive listening tests to be mapped with reproducible, measurable analysis results.



The ASX documentation uses various programming examples to illustrate how to program new listening test steps for SQala.



Use the labP2 playback module, for example, to exactly reproduce the original sound spectrum and the spatial distribution of the sound field. The labP2 module can be cascaded and is also suitable for being used in listening studios.

HEAD acoustic Devices for Aurally-Accurate, Binaural Playback

Combining the headphones we recommend with the appropriate playback systems and correct equalization enables aurally-accurate playback for reliable sound evaluation and optimization. To this end, we provide playback modules and equalized headphones from a single source that are perfectly matched to SQala.

LICENSES AND OPTIONS

General Requirements

Code	Product Name	Description
50000	APR 000 APR Framework	Basis of ArtemiS SUITE
50500	APR 500 Jury Testing – SQala Basic	Creating listening tests quickly and easily and performing the listening tests in Local Sessions

Options (Recommended SQala Options)

Code	Product Name	Description
51501	ASP 501 Jury Testing – SQala Net	SQala Session Administration: monitoring and controlling listening tests for multiple participants in listening studios (Individual Mode or Group Mode) and distributed sessions
51502	ASP 502 Jury Testing – SQala Server	SQala Server Manager: administrating and performing listening tests with multiple participants in listening studios (Individual Mode or Group Mode) and distributed sessions

Option (As an Alternative to SQala Basic)

Code	Product Name	Description
50501	APR 501 Jury Testing – SQala Lite	Cost-effective alternative to SQala Basic with a reduced range of functions and an upgrade option to SQala Basic

Options (Recommended Tools of ArtemiS SUITE)

Code	Product Name	Description
50570	APR 570 Metric Project	Creating sound quality metrics for the evaluation of listening tests based on SQala projects
5090	ASX 03 SQala Extension API	Programming interface for creating new listening test steps for SQala Basic

ArtemiS SUITE provides you with additional tools (APRs and ASPs) for generating, combining, and cutting signals as well as for performing analyses and other processing operations.



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