



# Risr Assess Multiple Mini Interview (MMI) Delivery

Overview



[info@risr.global](mailto:info@risr.global)



[visit risr.global](https://risr.global)

# risr/platform

---

The risr/platform is a cloud hosted service, made up of 3 key components all of which can be utilised as a full-suite of integrated service modules or as standalone service modules.

- risr/apply (Exam and Event booking & registrations)
- risr/assess (End-to-end exam management & delivery)
- risr/advance (Workplace based assessments, ePortfolio & CPD/PCS)

**risr/apply** is our Memberships, Exams and Events Booking module that compliments the life-long learning journey of a trainee/student through Examination, Workplace Based Assessment, CPD and Revalidation. risr/apply has been designed and delivered, as many of our services are, in collaboration with our customers. risr/apply enables the publishing, online booking and payment of subscriptions, memberships, exams, courses and events and is integrated directly with risr/advance and risr/assess to automate the whole process. The system enables automation of eligibility rules and a single view for both Administrators and Trainees/Students in their progression.

**risr/assess** is our end-to-end exam management solution. risr/assess delivers a number of question types including MCQ, SAQ, SBA, MEQ & EMQ Papers (Online Electronic and/or Paper delivery). risr/assess is currently being used by the most advanced medical assessment and training organisations around the world. The “out of the box” functionality covers question/item bank, exam preparation, design and delivery, exam processing, analysing and reporting. risr/assess is highly flexible, allowing both online or paper based assessments to be delivered. Finally, risr/assess unrivalled OSCE, SOE, Oral, MMI and project online remote video delivery capability means that customers are able to deliver all exam types from a single exam management solution and are future-proofed with our integrated platform.

**risr/advance** is our cloud hosted ePortfolio management solution for preparing, delivering and processing online Workplace Based Assessments and CPD/PCS. risr/advance is a key component of our integrated cloud hosted eAssessment services Platform.

risr/advance is integrated into the eAssessment platform to deliver a seamless and high quality user experience. risr/advance is currently being used by some of the most advanced Medical Assessment and Training organisations in the world and is continuously developed (as

with all 3 components of our platform) alongside our customers to ensure our services stay relevant and constantly innovate. risr/advance will enable customers complete flexibility in configuring Workplace Based Assessments, fully automated workflow, mobile/offline working, standard blueprinting, in-built notifications and event creation.

# Risr Assess

---

## Question Bank

The Risr Assess solution includes a comprehensive MMI scenario bank that has been used by education and training organisations for many years. The system allows for multiple assessment types to be created, managed, delivered and analysed, with independent sub banks for each. This can be done in both a collaborative or segregated fashion, with custom permissions and restrictions configured by organisational administrative staff

Scenario authors can access the system remotely and, depending on the role and permissions they are assigned, can edit scenario content across all sections and add new scenarios. Items can be templated on the system, and an unlimited number of templates can be created. MMI stations can include applicant instructions, interviewer instructions, scoring rubrics with weightings and schemas applied, grade description documents and all other station resources such as images and documents. Items can also be copied as templates to be used as new scenarios.

Many item types are supported on the system. These include MMI stations, oral and interview stations, essay questions, short answer questions, very short answer questions, extended matching questions, ranking questions, hotspot questions, prescribing VSA questions, and multi-part written questions, among others. We also have a track record of working with organisations to implement new formats as needed.

All content is version controlled, with only one Live or Approved version of an item active at any one time. Custom statuses can be defined for the approval of an item. By default these are Draft, Pending, Approved or Archived, however these can be changed as needed. Each item has an audit trail, and transitions between statuses are recorded with the user and date and time.

For MMIs and other interviews, interviewer scoring rubrics can be created on the system. Each rubric is made up of multiple scoring criteria. It is possible to add multiple headings within the rubric to organise criteria, for example communication, ethics, insight and reflection, and overall recommendation. Each criterion can be of differing types, including discrete options, yes or no, free text, labels and audio notes. Discrete criteria can have different marking schemes assigned, with a varying number of options, showing descriptors or numerical marks to interviewers. Weightings can be applied to criteria within the rubric.

Multimedia can be easily included as part of MMI interview stations. This includes images (jpeg, png, tiff and others), video (mp4, mov), audio (mp3, aac, wav) and documents (pdf). In addition, specialised formats such as radiographic DICOM Images can be included in interviews. All images are presented in original quality, ensuring that high quality images can be used in interviews.

Stations are strictly version controlled on the system. Only approved or live items can be used in an interview circuit, and only one approved or live version of an item can have that status at any one time. Once an item is approved or live, it is locked from editing. If changes are required, a new draft version is created and moved through approval, while previous versions are retained as archived. Items can also be archived individually or in bulk, and performance statistics are tied to the delivered version of the item.

The Risr Assess platform has comprehensive blueprinting and metadata tagging functionality. This includes Multi-level hierarchical tagging, where several levels of information can be documented; Multi-dimensional tagging enabling the representation of complex frameworks, and preventing implicit tags; Dependent tagging, supporting sub-dimensions to be shown only in relevant cases; and Automated tagging, where users belong to a particular role. This allows the question bank to be searched, reviewed and filtered extremely efficiently. Complex filters can be created by users, ensuring that existing content can be leveraged to develop interviews, in addition to new content.

The system also tracks and stores historical interview performance data, so that performance statistics such as facility, discrimination and point biserial are calculated. Additionally information such as cut scores, standard setting judgements and alpha if excluded is also calculated. This information can be exported if desired.

## Interview Preparation

The platform can automatically select MMI stations for a circuit based on a blueprint and other filters. Users can create a blueprint that sets out the proportion of content required for each tag or category, based on the sampling grid. They can define this based on the number of stations or the scoring model. Minimum and maximum proportions can be set, and circuits can be regenerated multiple times if required. Rules can be configured to exclude recently used stations, filter based on prior performance indicators, and prevent specific combinations of stations appearing together using 'enemy' item rules. Blueprint conformance reporting is available, and item sets can be reviewed and manually edited before finalisation.

Item sets can also be constructed manually by selecting stations from the bank. The item bank can be searched and filtered based on tagging and free-text, and multiple stations can be selected. Blueprint reporting can be used to validate how the manual construction conforms to the blueprint.

Applicants can be assigned to MMI circuits, and interviewers can be allocated to stations or panels. Various settings and configurations can be adjusted by administrators to control the functionality available to participants. The system can generate schedules and accompanying documentation.

## MMI Interview Delivery

For MMIs, interviewers can use an iPad and are presented with a straightforward personalised schedule, a digital scoring rubric for each applicant, and all resources associated with a station. These resources include the relevant interviewer briefing materials and scoring guidance, along with applicant-facing instructions and any supporting media used in the station. Interviewers record scores and narrative feedback using the rubric configured in the station bank. Criteria can include numerical marks, qualitative descriptors, tick lists, written text input fields and domain style rubrics. The rubric can be organised into sections by the administrator, and explanatory text can be added to guide consistent scoring.

Marks and criteria can be set as mandatory to ensure all essential fields are completed. If a mark is missed, this is highlighted before submission, helping prevent missing data at the end of the circuit.

Rubric submissions are synchronised automatically when the interviewer completes an applicant. Entries are retained on the iPad during the session, and if the device goes offline, scoring is stored locally until connectivity is restored, when it is synchronised automatically without interrupting the interviewer.

The interview client is extremely robust, with both online and offline use supported. If the candidate is interrupted when taking the interview, they are able to rejoin where they left off. Additional time can be granted to them, in case of significant disruption. It is also possible to track how many times a candidate has accessed an interview. The interview delivery can be locked-down to ensure that candidates may not capture or record their screen, view external resources (including other software and websites), or record audio transcriptions. Full proctoring and remote invigilation can be provided, with the candidate monitored either by live proctors, or on a record and review basis.

Marksheet submissions are synchronised automatically, when the interviewer finishes marking a candidate. These marks are also retained on the interviewer iPad until the interview session finishes. Submissions do not have to be manually synchronised. If an interviewer iPad goes offline, results will be stored on their device until connection is reestablished, when they will be automatically synchronised without interrupting the interviewer.

## Standard Setting and Statistical Analysis

The system includes sophisticated reporting and standard setting functionality. Question performance data, including question breakdown, difficulty, discrimination, point biserial and other psychometric data can be generated on the system, which can additionally give an indication of which candidates passed/failed each item.

Risr Assess will automatically calculate a pass/fail outcome based on the candidates mark in the interview, and the interview cut score. This cut score can be calculated by a variety of methods, including Angoff, Ebel and Borderline Regression standard setting processes. Conjunctive passing criteria such as a minimum number of stations can be set for each interview, and can be adjusted by users. A breakdown of the reasons why a candidate has failed an interview can be created (minimum stations, cut score, domain criteria etc).

It is possible to exclude candidates from the interview, either before, during or after marking has been completed. These candidates are marked as Excluded, with their results greyed out in the user interface. These exclusions are reflected in the reporting and statistical calculations, which can be remodelled with candidate(s) included or excluded. For each item, it is possible to see the overall proportion of candidates passing (p value) and each individual candidate's response and mark (barring those excluded). Candidate results for stations, including pass mark, station marks, interview outcome and domain scores can be reported on, among other fields. These can be exported, or can be included in the Candidate Feedback Report.

Reporting on interviewers looks at both Z-scores and standard deviation, allowing hawk/dove and mark spread analysis. Cohort performance can be remodelled, on varying confidence intervals. Item performance can be analysed, and common standard setting methodologies (such as Borderline Regression) can be calculated and graphed.

## Results Export

Candidate results can be exported in varying levels of granularity, including raw responses, scored responses, outcomes and overall interview analysis. This can be provided in CSV/XLSX format, allowing compatibility with common external analysis tools. This data can include the interview ID, Date, interview name (centre), Candidate IDs, Station Scores, Total Candidate Scores, Results and domain scores, among other data fields. Mean Scores and Reasonable adjustments can also be exported from the system, and if needed as an integrated report, Risr can provide all of these data fields together.

Overall interview success can be shown in a number of ways, including the Candidate Feedback Report, and Interview Results export. All reporting can be exported from the system, and can be done in PDF/XLSX/CSV as appropriate.

Individual Candidate Feedback Reports can be generated from the system, which can be customised by the customer. They can show candidate overall scores, scores per station, comparison to the cohort, station metadata and individual station feedback, among others. This report can be generated in PDF, and created in bulk for the whole cohort. This data can also be generated in excel format.