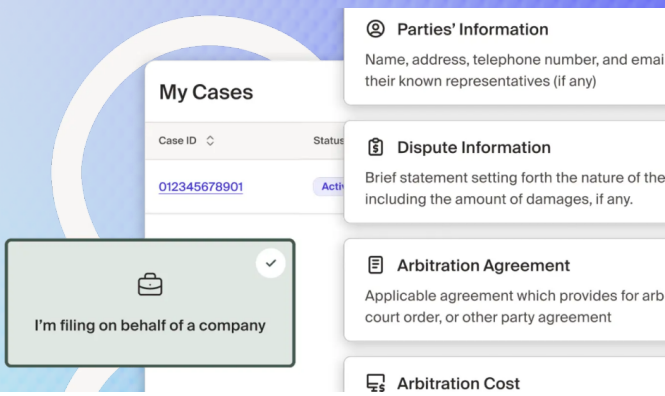
American Arbitration Association®

AI Arbitrator

Technical Overview



The AI Arbitrator is an AI-powered arbitration solution that analyzes case materials, incorporates party validation, and generates a draft award, which an AAA® arbitrator reviews, finalizes, and issues.

How the AI Arbitrator Works

1. **Submission**
   Parties submit arguments in support of their claims or defenses, evidence, and supporting legal authorities.

2. **Party Validation**
   Parties review and confirm AI-generated summaries of their submissions.

3. **Analysis**
   The AI analyzes the issues in dispute, along with the parties' evidence and applicable law. The parties may provide feedback on the AI-generated analysis for the arbitrator's review.

4. **Draft Award**
   The system generates a draft award with clear reasoning tied to the parties' submissions.

5. **Human Review and Final Award**
   An AAA-appointed arbitrator reviews, revises as needed, and issues the final decision.

System Design

Structured Analysis
Outputs follow defined arbitral reasoning frameworks, rather than free-form generation.

Explainable Reasoning
Analysis is tied directly to the parties' submissions, including their evidence and legal arguments.

Human-in-the-Loop
Parties review the AI's output, followed by the human arbitrator, who finalizes and issues the award.

Domain-Specific Training
The AI Arbitrator was trained on AAA commercial and construction awards and case data and refined through expert labeling and calibration.

Key Safeguards

- Party validation of AI-generated summaries before analysis proceeds, followed by party feedback on the AI analysis
- Human arbitrator review of the AI's analysis and proposed award before finalizing the award
- Controlled access to case data within a secure infrastructure
- Governance frameworks supporting transparency, accountability, and oversight

LEARN MORE ABOUT THE AI ARBITRATOR

© 2026 American Arbitration Association, Inc.

American Arbitration Association®

Technical FAQ

How is accuracy measured?

Accuracy is evaluated against benchmark cases with human-issued awards and continuously monitored through system evaluation and arbitrator review. Performance is assessed based on alignment with experienced arbitrator reasoning, with a goal of human parity rather than identical outcomes.

How does the AI analyze a case?

The system reviews the parties' arguments, evidence, and legal authority; identifies disputed issues; and evaluates the materials to generate a draft award. The process is constrained and explainable, not open-ended.

What is the role of the human arbitrator?

A AAA arbitrator reviews the AI-generated analysis and draft award and any commentary from the parties on the AI analysis, may revise or rewrite any portion of the draft award, and then issues the final award.

What data is the system trained on?

The AI Arbitrator was trained on AAA commercial and construction case data and awards and refined through expert calibration. Training is domain-specific and designed to reflect arbitrator reasoning. The AAA plans to expand the AI Arbitrator to additional industry domains over time.

The platform operates within a closed AI environment. Your case information and AI-generated outputs are not used to train or expand the underlying model.

How are errors or unsupported outputs addressed?

Safeguards include party validation of summaries and party feedback on AI analysis, human arbitrator review and finalization of the award, and system design focused on explainability and traceability.

How are fairness and bias addressed?

The system operates within AAA governance frameworks emphasizing transparency, neutrality, and human oversight. The human arbitrator remains responsible for validating or revising the final decision.

How is this different from general AI tools?

Through its training, the AI Arbitrator has a deep understanding of arbitral structure, terminology, and reasoning patterns — it is not an open-ended text-generation tool based on general-purpose data.

How is case data protected?

The system operates within a secure infrastructure designed to protect confidential case data. Controls align with SOC 2 Type 2 standards. All case information is processed within the AAA's secure infrastructure and governed by the same data-handling standards that apply to its traditional arbitration case management.

What rules apply?

Cases are governed by the AAA AI-Led Arbitration Rules, which define roles, responsibilities, workflows, confidentiality, and more.

Will my case data be protected?

Yes. Case data does not get ingested at any time into the foundational large language models (OpenAI).

LEARN MORE ABOUT THE AI ARBITRATOR

© 2026 American Arbitration Association, Inc.