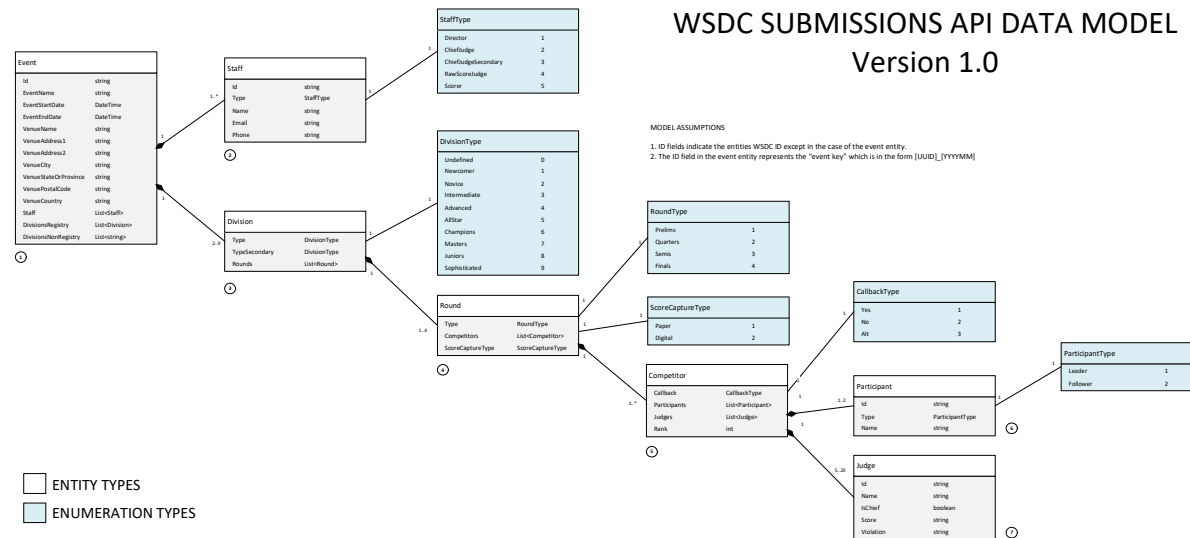


# WSDC SUBMISSIONS API DATA MODEL

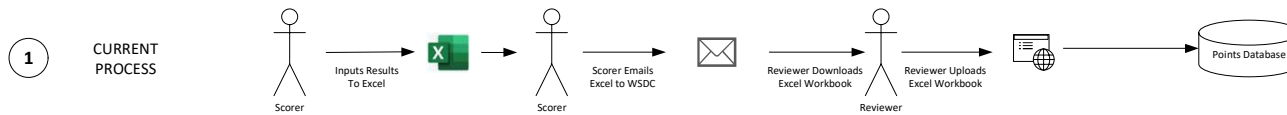
## Version 1.0



- The data model represents version 1.0 of the WSDC Submissions API data model. This model reads from left to right starting with the Event entity. Items in white represent entities and items in blue represent enumeration types for fields within those entities.
- The Event entity represents a single contest or competition organized under WSDC guidelines. It includes the minimum required fields captured by the current WSDC Surcharge form, which consist of the event name, start date, end date, location, and any other essential details such as organizer information or registration on deadlines.
  - The Staff entity represents an individual member of the contest management team. It includes key details such as the person's name, email address, phone number, and WSDC ID when applicable. The StaffType entity defines the different roles or categories of contest staff, such as Head Judge, Secondary Head Judge, Raw Score Judge, etc.
  - The Division entity represents a single WSDC-sanctioned Jack & Jill division offered at the event. Each Division aligns with official WSDC rules and has a specific type that determines eligibility, point awarding, and competition structure, such as Newcomer, Novice, Intermediate, Advanced, All-Star, Champions, Masters, or Sophisticated. The DivisionType entity represents these different skill-level, age-based, or special categories as defined by WSDC.
  - The Round entity represents one phase or stage within a given Division, such as Preliminaries, Semi-Finals, or Finals. Each Round has a type specified by the RoundType entity, which typically corresponds to one of the four standard types used in WSDC Jack & Jill competitions: Preliminary, Quarter-Final, Semi-Final, and Final. Additionally, each Round can define how scores are captured, as specified by the ScoreCaptureType entity, for example through digital means or by using paper score sheets.
  - A Competitor is a single entry in the round. It represents one or two participants that will be evaluated and scored by multiple judges on the judging panel. Each competitor receives a rank indicating their final position based on their scores.
  - A Participant is an individual person who enters a division and competes in one or more rounds. Each Participant is evaluated and scored by the judging panel. Each round contains a list of competitor entities. A participant can be one of the 2 types represented by the ParticipantType entity.
  - A Judge is a qualified individual appointed to the judging panel. Judges evaluate and score each Competitor independently based on the established criteria, providing fair and objective assessments.

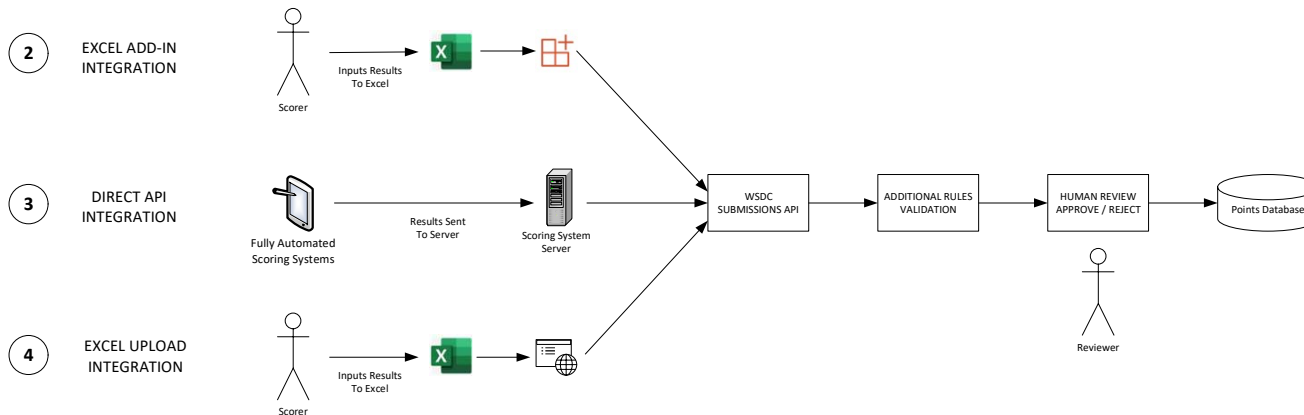
## SOLUTION ARCHITECTURE COMPARISON

### CURRENT PROCESS



1. Represents the current process for submitting event results to the WSDC. Many manual steps that require results to be sent over email to a human that must download review and attempt to upload the result to the WSDC internal portal. A lengthy and error prone process that requires a human in the loop to determine whether the results are valid and communicate issues via email back to the event.

### API CENTRIC PROCESS



2. Results are submitted using an Excel Add-In. This approach provides the scoring person real-time feedback and meaningful error messages directly within Excel via a WSDC managed Add-In. The Add-In directly integrates with a centralized API that enforces the WSDC rules before the data is submitted and ensures that non-compliant results are rejected with clear reasoning that correlates directly to the WSDC rules.

3. Results are submitted directly from the scoring system. This approach provides real-time feedback and meaningful error messages directly to the scoring system. The scoring system directly integrates with a centralized API that enforces the WSDC rules before the data is submitted and ensures that non-compliant results are rejected with clear reasoning that correlates directly to the WSDC rules.

4. Excel workbook with results is uploaded to the WSDC portal. This approach provides the scoring person real-time feedback and meaningful error messages directly within the WSDC portal. The WSDC portal integrates with a centralized API that enforces the WSDC rules before the data is submitted and ensures that non-compliant results are rejected with clear reasoning that correlates directly to the WSDC rules.

