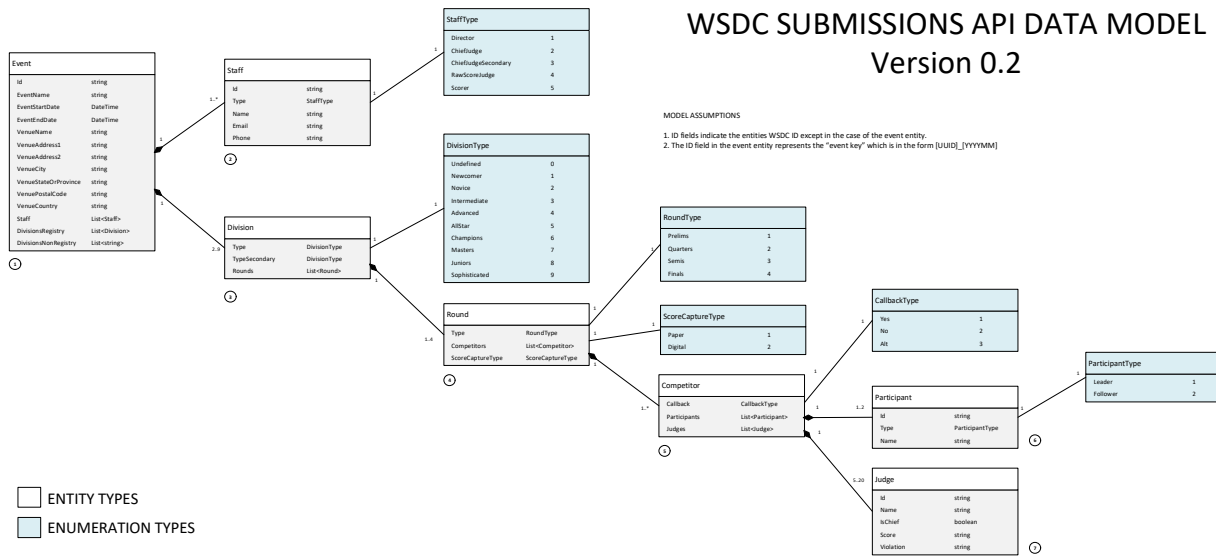


# WSDC SUBMISSIONS API DATA MODEL Version 0.2

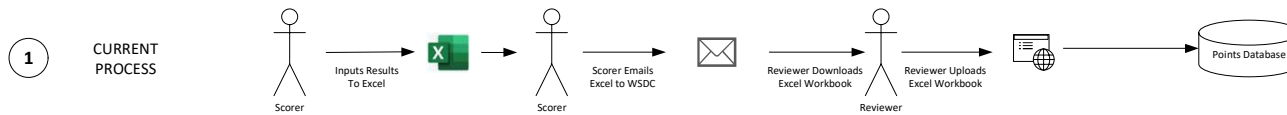


The diagram represents version 1.0 of the WSDC Submissions API data model. This model reads from left to right starting with the Event entity. Items in white represent entities and items in blue represent enumeration types for fields within those entities.

1. The event entity contains the minimum number of fields required to match what the current WSDC Surchage form captures (Event name, start and end dates, location etc.).
2. The event entity contains a list of staff to capture the key members of the contest team including details like name, email, phone and WSDC id.
3. The event entity contains a list of divisions to capture all WSDC sanctioned Jack & Jill division offered by the event. Each division has a type that correlates with the WSDC rules.
4. The division entity contains a list of rounds. Each round has a type specified by the round type enumeration (Prelims, Quarters, Semis, Finals).
5. Each round contains a list of competitor entities. The competitor serves as a container for a single judged entity. For preliminary rounds (Prelims, Quarters, and Semis) this represents a single participant, either a leader or follower. In the final round this will represent two participants, one leader and one follower.
6. Each competitor contains one or two participants. A participant represents the person wearing a BIB number. They have a name, type (either Leader or Follower), and may or may not have a WSDC id.
7. Each competitor contains a list of judges. Each judge entity contains a name, WSDC id, score, and optionally a violation field. Additionally, a judge entity can be flagged as a chief judge.

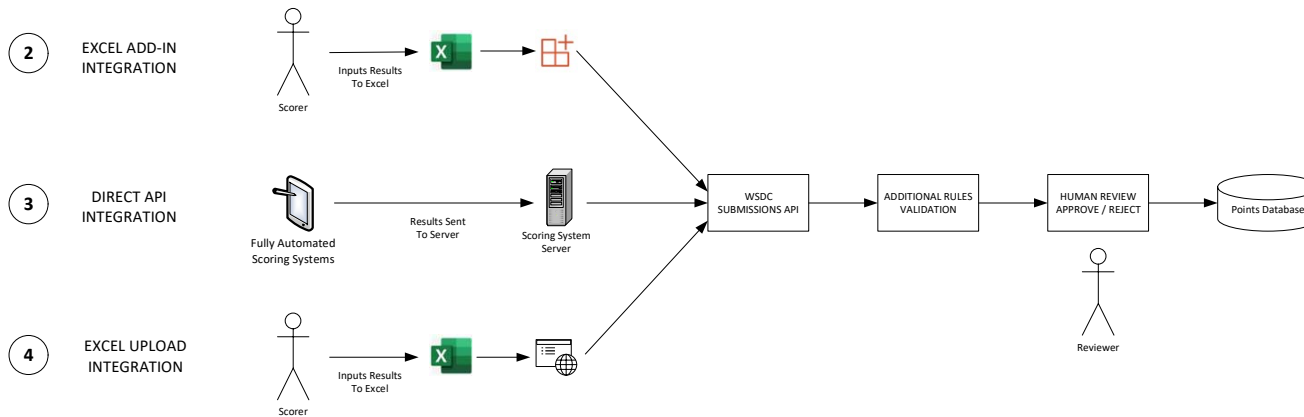
## SOLUTION ARCHITECTURE COMPARISON

### 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.