



The Developer and VV&A?

The Developer is responsible for building the simulation under the direction of the M&S PM to meet the User requirements.

The intent of the V&V and Accreditation effort (from the Developer's perspective) should be to help reduce program development risk and increase the likelihood of User Accreditation of the simulation.



How Does the Developer Impact VV&A?

- **The Developer provides:**
 - the simulation development plan (SDP) for use by the VV&A Agents to develop the **V&V and Accreditation Plans**
 - development **schedules and products** for the VV&A Agents to use in their work
 - SMEs, designers, coders, testers
 - **POC's** for the VV&A Agents and working group or IPT support
- **The Developer:**
 - works with the V&V Agent to **reduce development risk**,
 - helps develop acceptability criteria,
 - provides resources (people, products, tools) to support VV&A,
 - works with the Accreditation Agent to support the Accreditation process and **increase accreditation probability**



How Does VV&A Impact the Developer?

- The Developer is directly impacted by the quality, completeness, and timeliness of the VV&A effort.
 - properly executed V&V will **identify problems for correction early** in the development process (reducing development risk and cost)
 - properly executed V&V will support the accreditation process and **reduce accreditation cost**
- The Developer is:
 - responsible for the **credibility** of simulation outputs
 - focused on building a simulation that can support intended use
 - the **integrator** of the development, V&V, DT, OT, and Accreditation processes at the execution level



What are the Developer's Responsibilities in VV&A?



- The Developer should **support and integrate** the VV&A Agent's efforts:
 - assist in the planning of VV&A,
 - ensure complete and accurate information is provided the VV&A activities so that the VV&A processes can be conducted at the proper time,
 - follow PM direction related to the VV&A program based on the level of development effort required.
- The Developer follows PM direction to meet user requirements by **integrating the development and assessment efforts**:
 - assesses the original problem and requirements and builds SDP,
 - develops the conceptual model to meet user requirements
 - designs and builds the simulation IAW the conceptual model,
 - conducts developer testing, supports V&V, supports operational testing and **integrates** them to the maximum extent possible
 - Supports the accreditation process.



What Challenges does the Developer Face Relative to VV&A?



- **Providing resources for VV&A**
 - POC, Working Group members, IPT support
- **Supporting the V&V process and incorporating the results into the SDP**
- **Analyzing development risk and uncertainty** – identifying risks; establishing assessment priorities based on the risks
- **Integrating the assessment process** (DT, V&V, OT, Accreditation)