



Requirements Quarterly Report



From the Director – Dr. Chuck Court

We strive to make all of our Defense Acquisition University courses as informative and relevant as possible. In fact, just recently and after much consideration, we decided to expand the Requirements Management Department’s flagship classroom course, RQM 310 – Advanced Concepts and Skills for Requirements Management – into 5 full days.

The Services, Combatant Commands, Defense Agencies, and DAU have had extensive dialogue over the specific topics and competencies we include in RQM 310. In the end, we decided to add material specific to Information Technology (IT) Requirements and to Test and Evaluation.

IT continues to be a special interest item throughout DoD. Technology keeps changing at an exponential rate. IT is going to affect Requirements in ways we have not yet imagined. An interesting question: “When is the last F-35 scheduled to come off of the assembly line?” Our research tells us the production line is scheduled to be open until 2037. How many cell phones and personal computers are we each going to go through in those next 24 years? Since each new cell phone or personal computer represents an IT advancement, it becomes obvious that the last F-35 will have very different electronics than the F-35s already flying. It is important to remember that the F-35s already in service will need extensive modifications driven by those same advances in technology. All of our systems that roll, float, fly, or communicate will see similar changes. DAU remains committed to ensure our students are prepared for these upcoming changes.

Test and Evaluation (T&E) is a valuable addition to RQM 310. Like the book says, “A good requirement is Measurable, Testable, and Quantifiable.” Recall how Test Managers structure their developmental and operational tests. Essentially, developmental T&E (DT&E) tests to be sure the system meets its specifications. Those specifications come from engineers. Operational T&E (OT&E) tests against the warfighter’s needs. We – the Requirements Managers – articulate those needs through the Key Performance Parameters (KPPs), the Key System Attributes (KSAs), and the other requirements we document.

Requirements Managers need to stay involved throughout a system’s development and life-cycle. There have been several documented cases where systems have met their KPPs, yet the OT&E found those systems not operationally relevant. This illustrates one of the fundamental reasons why Requirements Managers need to dialogue with T&E managers early and often as a requirement takes shape and makes its way through JCIDS and into acquisition. For example, when we develop requirements, the T&E community can provide worthwhile insight whether a specific requirement is indeed measurable, testable, and quantifiable; it is in the Requirements Manager’s best interest to bring T&E managers into the discussion as early as possible to provide vector checks for relevant, effective requirements and for a smooth, successful test and evaluation. As tests progress, Requirements Managers can (and should) follow the results and raise the necessary questions. The lessons learned during DT&E and OT&E can lead to new operational concepts and to valuable revisions in future increments. The ultimate goal is to meet the warfighter’s needs with current and relevant operational capabilities.

At this point, our students and our graduates like to point out that there are only so many hours in our 5-day course. If we add any more material, something else must come out. We are always considering how to move classroom material to the online courses, but we can only do so much online. We are going to continue to capitalize on the strengths of the discussions and of the classroom interactions. We keep getting excellent, encouraging course feedback. Next, we look forward to our graduates’ success stories.

Upcoming Events

Event	Dates	Location
RQM 310 – 30 students	9 – 13 December	Fort Belvoir, VA
Requirements Webinar	19 December	Cyberspace
RQM 310 – 30 students	27 – 31 January	Fort Belvoir, VA



Requirements Quarterly Report

Curriculum Development

Since DAU has a finite number of classrooms, we can only offer a limited number of resident courses on campus. Our online presence has proven to be an outstanding tool for students to accomplish training on their own time.

The illustration below shows the Requirements courses we have deployed. 'Core' curriculum courses are mandatory for certification in Requirements Management. 'Core Plus' are elective courses intended for training in specific subjects such as CBAs, AoAs, and developing requirements like KPPs and KSAs.

Core

CLR 101
Introduction to
JCIDS

RQM 110
Core Concepts for
Requirements
Management

Core Plus

CLR 151
Analysis of
Alternatives

CLR 250
Capabilities-Based
Assessments

CLR 252
Developing
Requirements

Mission Assistance

What are your latest projects and problems - big or small? How can we help? We are available as consultants, trainers, and advisors. We offer specialized "just-in-time" training on new or revised requirements processes, consultation services on specific projects such as CBAs and AoAs, and advice on JCIDS documentation.

While budgets are certainly tight and contentious, we can work for you essentially on a pro bono basis. The only reimbursement we request are for incidental costs such as travel, logging, and per diem, which we compute and discuss with you prior to any commitment. Contact us with your questions. We look forward to providing capability analysis and requirements development solutions.

Knowledge Sharing

We hosted a webinar on 19 September. We continue to get outstanding support from our Pentagon points of contact within the Joint Staff and OSD. We have posted the annotated Webinar slides on the Requirements Management Community of Practice (RMCoP).

The next webinar – scheduled for Thursday, 19 December – will have more information about the upcoming changes to the JCIDS Manual and to DoDI 5000.02. If you have questions, send them in early to be sure you can get the answers you need.



Requirements Quarterly Report

Contacting DAU:

- The Requirements Management Landing Page: <https://dap.dau.mil/career/rm/Pages/Default.aspx>
- The Requirements Management Community of Practice (RMCoP): <https://acc.dau.mil/requirements>
- To the entire DAU faculty and staff?: RMCT@dau.mil

DAU Requirements Faculty:

Dr. Chuck Court	Charles.Court@dau.mil	703-805-4552
Greg Prothero	Gregory.Prothero@dau.mil	703-805-4586
Jack Mohney	Jack.Mohney@dau.mil	703-805-4369
Matt Ghormley	Matthew.Ghormley@dau.mil	703-805-3721
Tom Fritz	Thomas.Fritz@dau.mil	703-805-4583
Ivan Teper	Ivan.Teper@dau.mil	703-805-4656

