

**CERTIFICATION STANDARDS & CORE PLUS DEVELOPMENT GUIDE**  
**SPRDE – SYSTEMS ENGINEERING LEVEL3**

Type of Assignment	Representative Activities
Functional Specialist	<ul style="list-style-type: none"> <li>● Leads and/or manages engineering activities in a functional specialty relating to the design, development, fabrication, installation, modification, sustainment, and/or analysis of systems or systems components.</li> <li>● Ensures appropriate systems engineering technical and technical management processes are properly applied to functional specialty activities that support IPT environments.</li> </ul>
Software/IT Engineer	<ul style="list-style-type: none"> <li>● Leads and/or manages engineering activities relating to the design, development, and/or analysis of software and information technology systems or systems components.</li> <li>● Ensures appropriate systems engineering processes are properly applied to software development and/or IT integration activities.</li> </ul>
Developmental Engineer	<ul style="list-style-type: none"> <li>● Leads and/or manages design and development activities for systems or systems components.</li> <li>● Ensures appropriate systems engineering processes are properly applied during systems development.</li> </ul>
Science and Technology (Research Eng or Scientist)	<ul style="list-style-type: none"> <li>● Leads and/or manages science and technology research and engineering activities supporting acquisition programs, projects, or activities.</li> <li>● Ensures appropriate systems engineering processes are properly applied during science and technology activities.</li> </ul>

**Core Certification Standards (Required for DAWIA certification.)**

Acquisition Training	<ul style="list-style-type: none"> <li>● Acquisition Training identified at Level II must have been completed</li> </ul>
Functional Training	<ul style="list-style-type: none"> <li>● <a href="#">SYS 302</a> Technical Leadership in Systems Engineering (R)</li> <li>● <a href="#">CLL 008</a> Designing for Supportability in DoD Systems</li> </ul>
Education	<ul style="list-style-type: none"> <li>● Baccalaureate or graduate degree in a technical or scientific field such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science</li> </ul>
Experience	<ul style="list-style-type: none"> <li>● 4 years of technical experience in an acquisition position. Of that: <ul style="list-style-type: none"> <li>● - At least 3 year in a SPRDE-SE, SPRDE-PSE, or SPRDE-S&amp;TM position</li> <li>● - Remainder may come from IT, T&amp;E, PQM, PM, or LCL</li> <li>● Similar experience gained from other government positions or industry is acceptable as long as it meets the above standards</li> </ul> </li> </ul>

Core Plus Development Guide (Desired training, education, and experience)	Type of Assignment				
<b>Training</b>	<table border="1"> <tr> <td>Func</td> <td>Soft/IT</td> <td>Dev</td> <td>S&amp;T</td> </tr> </table>	Func	Soft/IT	Dev	S&T
Func	Soft/IT	Dev	S&T		

	Spc	Eng	Eng	(Res Eng/Sci)
<a href="#"><u>CLE 008</u></a> Six Sigma: Concepts and Processes	✓	✓	✓	✓
<a href="#"><u>CLE 021</u></a> Technology Readiness Assessments	✓	✓	✓	✓
<a href="#"><u>CLE 301</u></a> Reliability and Maintainability	✓	✓	✓	✓
<a href="#"><u>CLL 022</u></a> Title 10 Depot Maintenance Statute Overview	✓		✓	
<a href="#"><u>CLL 023</u></a> Title 10 U.S.C. 2464 Core Statute Implementation	✓			
<a href="#"><u>CLL 024</u></a> Title 10 Limitations on the Performance of Depot-Level Maintenance (50/50)	✓			
<a href="#"><u>CLL 025</u></a> Depot Maintenance Interservice Support Agreements (DMISA)	✓			
<a href="#"><u>CLM 014</u></a> IPT Management and Leadership	✓	✓	✓	✓
<a href="#"><u>CLM 034</u></a> Science and Technology—Lesson from PMT 352A				✓
<a href="#"><u>LOG 201</u></a> Intermediate Acquisition Logistics, Part B (R)	✓		✓	
<a href="#"><u>LOG 235</u></a> Performance-Based Logistics	✓			
<a href="#"><u>LOG 236</u></a> Performance-Based Logistics, Part B (R)	✓			
<a href="#"><u>PMT 251</u></a> Program Management Tools Course, Part I	✓		✓	✓
<a href="#"><u>PMT 257</u></a> Program Management Tools Course, Part II	✓		✓	✓
<a href="#"><u>PMT 352A</u></a> Program Management Office Course, Part A	✓		✓	✓
<a href="#"><u>PQM 203</u></a> Preparation of Commercial Item Description for Engineering and Technical Personnel			✓	
<a href="#"><u>SAM 301</u></a> Advanced Software Acquisition Management (R)		✓		
<a href="#"><u>STM 303</u></a> Advanced S&T Management (R)				✓
<a href="#"><u>TST 303</u></a> Advanced Test and Evaluation (R)	✓	✓	✓	✓
<b>Education</b>				
● Graduate degree in a discipline such as engineering, physics, chemistry, biology, mathematics, operations research, engineering management, or computer science				
<b>Experience</b>				
● Four (4) years of technical experience (in addition to core certification experience)				

**Notes:**

**1** The Core Certification Standards section lists the training, education, and experience REQUIRED for certification at this level.

**2** "(R)" following a course title indicates the course is delivered as resident based instruction.

**5** When preparing your IDP, you and your supervisor should consider the training, education, and experience listed in the Core Plus Development Guide at this and the lower level(s) if not already completed.

**13** Some continuous learning (CL) modules have been created by extracting lessons in their entirety from a training course. If this is the case for the CL module(s) identified in the above core certification standards, the course from which the CL module was extracted is identified in the "Notes" section of the CL course description and the course can be substituted to meet the certification standard.