



<p>Course Description</p>	<p>The Introduction to CMMI® is a three-day course that introduces fundamental concepts of the Capability Maturity Model® Integration (CMMI®). The CMMI® is an internationally recognised process reference model describing world's best practice. It covers:</p> <ul style="list-style-type: none"> • Process management (including process definition, improvement and training); • Project management (including planning, tracking and oversight and risk management); • Systems and software engineering; • Supporting activities (including configuration management, quality assurance, measurement, and decision-making); • Acquisition management; and • Integrated product development and teaming. <p>The CMMI® helps organisations improve their ability to develop, maintain or acquire products and services. It has been used successfully to evaluate and improve processes for:</p> <ul style="list-style-type: none"> • Product developers and service providers, • Information technology, • Communications organisations, • Acquisition and sustainment agencies, • Logistics organisations, and • Regulatory agencies. <p>The course contains lectures and class exercises. It provides opportunities for participant interaction, discussions on process improvement and the sharing of lessons learnt.</p>
<p>Knowledge & Skills Obtained</p>	<p>Successful completion of the course will enable participants to</p> <ul style="list-style-type: none"> • Describe the components of the CMMI®; • Discuss the process areas in the CMMI®; • Use the CMMI® as a valuable reference on best practice, and • Establish a solid foundation in understanding best practice requirements. <p>This course fulfils a prerequisite requirement for advanced studies in the CMMI®. It is also a prerequisite for participation in CMMI® based process appraisals.</p>
<p>Audience</p>	<p>This course is applicable to anyone interested in learning about the CMMI® including:</p> <ul style="list-style-type: none"> • Project managers, • Product developers and service providers, • Acquirers, and • Process implementers and members of improvement teams.
<p>Materials</p>	<p>Participants will be provided with a copy of CMMI®: Guidelines for Process Integration and Product Improvement and course slides and exercises.</p>
<p>Fees</p>	<p>The course fees are \$2,310 (GST inclusive) per participant.</p>
<p>Registration</p>	<p>Complete the Course Registration Form to register for the course. This form is can be downloaded from www.s-3.com.au (/downloads). Joining instructions will be sent once course registration has been confirmed.</p>
<p>Contact</p>	<p>Contact S-3 on (02) 6161 3322 or e-mail info@s-3.com.au.</p>



Course Outline	
<p>1. Introduction to the CMMI®</p> <p>2. Process Improvement Concepts and the CMMI®</p> <ul style="list-style-type: none"> • CMMI® Product Suite • CMMI® in the Business Environment <p>3. Overview of CMMI® Model Components</p> <ul style="list-style-type: none"> • Contents of the CMMI® Model Book • Process Area Components <p>4. Model Representations and Institutionalisation</p> <ul style="list-style-type: none"> • Staged and Continuous Representations • Capability and Maturity Levels • Process Institutionalisation <p>5. Product Development (Part 1)</p> <ul style="list-style-type: none"> • Requirements Development (RD) • Requirements Management (REQM) <p>6. Managing the Project</p> <ul style="list-style-type: none"> • Project Planning (PP) • Project Monitoring and Control (PMC) • Risk Management (RSKM) • Supplier Agreement Management (SAM) <p>7. Project and Organisation Support</p> <ul style="list-style-type: none"> • Configuration Management (CM) • Process & Product Quality Assurance (PPQA) • Measurement and Analysis (MA) • Decision Analysis and Resolution (DAR) • Causal Analysis and Resolution (CAR) 	<p>8. Product Development (Part 2)</p> <ul style="list-style-type: none"> • Technical Solution (TS) • Product Integration (PI) • Verification (VER) • Validation (VAL) <p>9. Improvement Infrastructure</p> <ul style="list-style-type: none"> • Organisational Process Focus (OPF) • Organisational Process Definition (OPD) • Integrated Project Management (IPM) • Organisation Innovation & Deployment (OID) • Organisational Training (OT) <p>10. Managing Quantitatively</p> <ul style="list-style-type: none"> • Organisational Process Performance (OPP) • Quantitative Project Management (QPM) <p>11. Supporting a Complex Environment</p> <ul style="list-style-type: none"> • Organisational Process Definition + IPPD (OPD + IPPD) • Integrated Project Management + IPPD (IPM + IPPD) <p>12. Tying It All Together</p> <ul style="list-style-type: none"> • Summary of Representations • How Process Areas Fit Together • Working with the Representations <p>13. Next Steps</p> <ul style="list-style-type: none"> • Learning More About the CMMI® • Beginning Process Improvement • Where to Find More Information <p>14. Course Summary</p>
Course Exercises	
<p>1. Important Process Improvement Ideas & CMMI®</p> <p>2. Introduction to Defining Processes</p> <p>3. Process Definition and Gap Analysis</p> <p>4. Impact of an Engineering Change</p>	<p>5. Process Asset Library (PAL) “Match Game”</p> <p>6. Scenario Evaluation</p> <p>7. Measurement Implications of Improvement Goals</p> <p>8. Statements Self-Test</p>