*Neuma's powerful CM+
helps your hardware and
software teams work together*

CMII® for Software with CM+

The CMII Profile for CM+ Enterprise provides unprecedented support for software development using ICM's CMII Process Model. With all the benefits of CM+ Enterprise, the CMII Profile is pre-configured and ready to use out-of-the-box. End-to-end CMII process manages Requirements, Problem Reports, Feature Requests, Tasks, Documents, Meetings, ECRs, ECNs, Updates, Work Authorizations, Deviations and Waivers.

ROLE BASED USER INTERFACE. As a change specialist, a project manager, or a developer, CM+ allows you to quickly zero in on your assigned tasks. Interactive dashboards give an overview of the project and allow you to zoom-in to the details, or make changes as necessary. Role-specific tabs prepare queries and graphs without you having to ask for them. End-to-end traceability is provided through dashboards and click-through displays.

STATE FLOW, PROMOTION LEVELS. State flows define the set of promotion levels (i.e. states) through which each CMII entity traverses. Transitions between states are guarded by permissions.

Additional rules and triggers help to ensure conformance to CMII best practices. Color-coded states used on displays, interactive graphs and gantt charts give visual promotion level feedback.

Key Software CMII Features

- Integrated CMII Process Guidance
- Software changes packaged as Updates
- Advanced Software Baseline View
- Color-coded State Flow, Promotion Levels
- Integrated Requirements Management
- Interactive Role-Based Dashboards
- Impact Tracking and Entity Traceability
- 4th Generation CM+ Enterprise Features

REQUIREMENTS MANAGEMENT. Insert product requirements into the requirements tree. Create test cases linked to a each requirement. Allocate system level and software/hardware level requirements, traceable back to product requirements. Add attachments, enter or modify text, all under change control. Create and compare requirements baselines.

SOFTWARE UPDATES. CM+ uses Updates to package files implementing an ECR. Such change packages are central to any modern SCM tool, allowing single operation check-in, promotion, delta report (i.e. DCR) generation and merging of changes between releases. The update is also the central point of traceability to the source code changes back through the ECRs, Requirements and Requests, and forward through the ECNs and verification. Both ECN and Baseline definition are facilitated by update promotion.
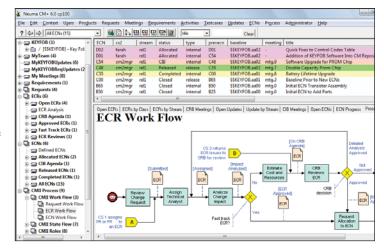
SOFTWARE BASELINE VIEWS. The Baseline View, a pillar of CMII, shows how applying a sequence of ECNs, effectively software builds, to the baseline causes the baseline to evolve. CM+ shading, showing baseline changes, is color-coded, based on the ECN status. The ECN's updates and their states, are shown in a partition of the baseline view applicable to software. To navigate the typical large volume of software changes, CM+ allows scoping the baseline view by expanding or collapsing the parallel source tree representing your workspace.

PROCESS GUIDANCE. CM+ includes CMII process guidance. CMII workflow outlines the flow of a problem report, feature request, ECR and ECN. State flow charts describe each CMII entity. CMII role definitions allow users to better understand CMII, and facilitate fast track operations. The documented actions applicable to each entity round out the guidance. Overview diagrams clarify differences between hardware and software within the context of CMII.

CRB AND CIB MEETINGS. Run CRB and CIB meetings with CM+. Schedule them and assign invitees and agenda items. Use a dashboard at the meeting, to zoom into the agenda

items in detail, and to capture meeting decisions. As items are approved, they appear instantly on the team's to-do lists. Email can also be triggered from decision-making actions.

IMPACT ANALYSIS. Use CM+ to identify and capture both requirement and item impact of a change request (ECR) as requirement and software item updates. Browse through an ECR dashboard and quickly review both the status and the impact matrix, in terms of updates, requirements and software items. ECN dashboards allow browse through and review of the consolidated impact matrix for any ECN.

4TH GENERATION CM+ ENTERPRISE. CM+ Enterprise is the industry's only 4th Generation SCM tool, and the only one that is CMII Certified. The CMII Profile brings CM+ benefits to CMII Software projects: Seamless integration of all CMII functions; Mission-critical reliability; Near-zero administration; High performance; Extensive customization capabilities; and Ease-of-use for developers and managers. CM+ MultiSite lets your projects go global.

Looking to extend CMII to your software projects? Looking for the best in SCM process? CMII Profile for CM+.