Support for agile planning & execution of coordinated actions

Collaborative Technologies for Network-Centric Operations



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Situational, Collaboration Centric Processes



Composite Process

Adhoc, agile, people centric

Backbone Processes

Systematic, automation centric



Practice

Situational, collaboration centric



Shared Context



fully pre-defined

not pre-defined

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Addressed Problem Area's of an military Information Worker



- Lack of Transparency
- No structured storage and retrieval of process knowledge
- lack of exchange of process knowledge
- disjunction between best-practices and running processes
- inability to trace evolving best-practices

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Collaborative Task Manager – an email-integrated task management tool



- It follows a human-centric approach:
 - It allows end-users to model and reuse unstructured, knowledge-intensive, collaborative processes.
- CTM enables end-users with as well as without IT expertise to compose all tasks needed to perform a certain process and to monitor these tasks.

Bottom Line:

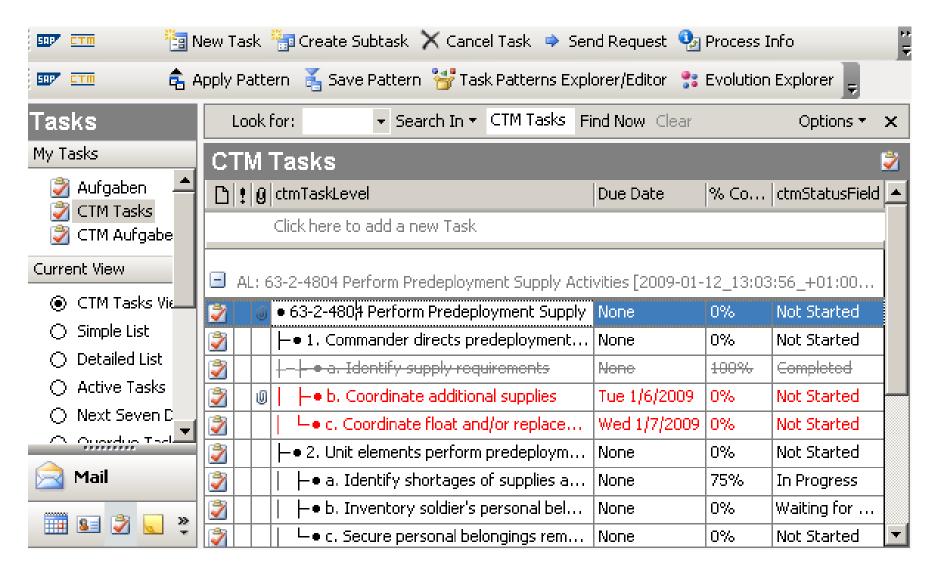
- CTM facilitates reuse as well of personal as of organizational knowledge about recurring tasks as described in Military Orders / Military Training Manuals, e.g STXs.
- CTM allows exchange of task-related knowledge that can be stored in a personal folder structure or on a central server.

CTM makes unstructured, collaborative tasks transparent.

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Task & Task Patterns





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Collaboration



Tasks at all hierarchy levels can be delegated to other people.

If a task is delegated, The addressed delegates receive a request that can be

- Accepted
- Declined

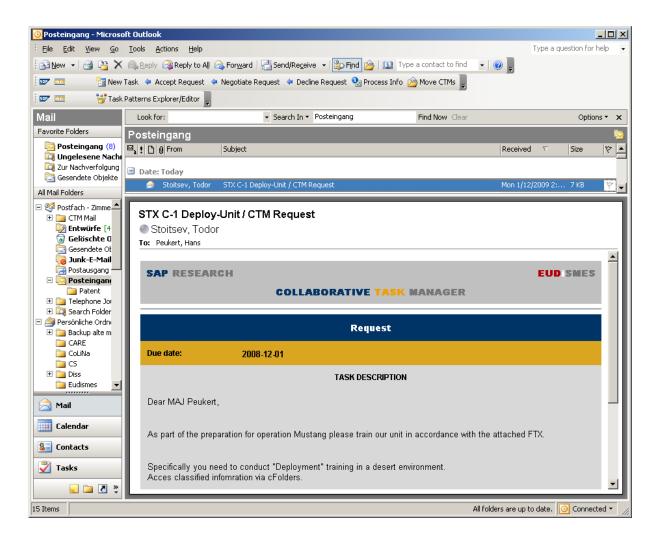
or

■ Negotiated (this is what you currently can't do !!!)

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Accept, Decline, Negotiate ...





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Transparency

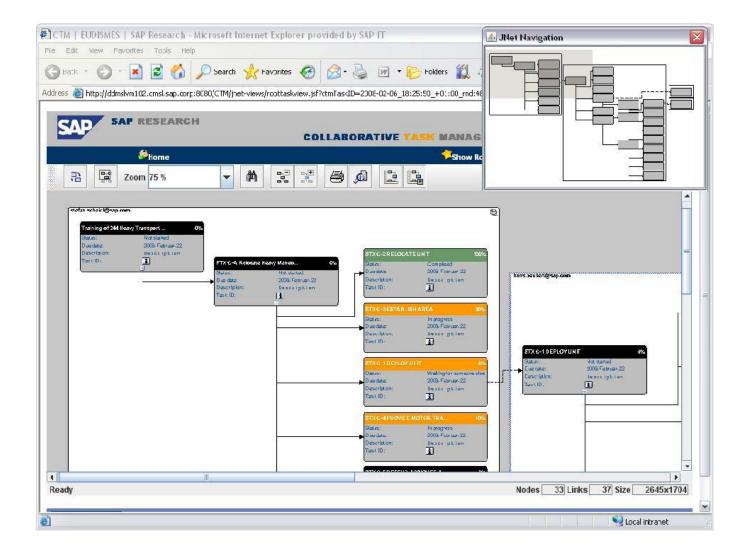


- Creation of tasks and task delegations out of the office application is tracked on a backend system.
- All parties involved in such a collaborative process can retrieve an end-to-end process overview at any time, covering information about complete set of actors and their task, assignments, and complete set of tasks, their interrelations, content, and execution status (subject to authorization constraints).

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Transparency





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Agility & Process Discover



- In contrast to workflow systems, the CTM approach always offers the possibility adhoc deviations
- CTM leaves the responsibility for ad-hoc deviations by the acting people.
- Due to the tracking functionality, previous ad-hoc processes can be analyzed on the backend system for guidance in a current process to discover best practices

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Illustrative Example of Collaborative Task Manager for planning Military Unit Training

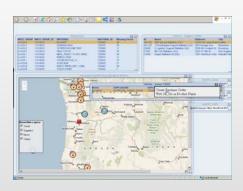


Collaborative Taskmanager



- Act on immediate, unpredictable business events supporting individuals or communities
- Are rapidly created by end-users through task pattern capabilities
- Bridge structured processes and collaborative activities
- Can be captured and used as best-practices

Use Case



A Col is tasked to perform a Unit training via Email. Such scenarios are specified for example in US Army mission training plans. These plans describe field training exercises, e.g. the relocation of heavy maneuver forces on the battlefield

All the tasks of the US Army Mission Training plans are incorporated in the CTM. By using the CTM unit training is planned in a collaborative, transparent matter.

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Support for agile planning & execution of coordinated actions





Address the informational needs of decision makers



Task Pattern Retrieval



Process
Transparency,
Agility & Process
Discovery



Decision makers can interact with the system in a non-technical way



Collaborative Task Manager

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Thank you!

