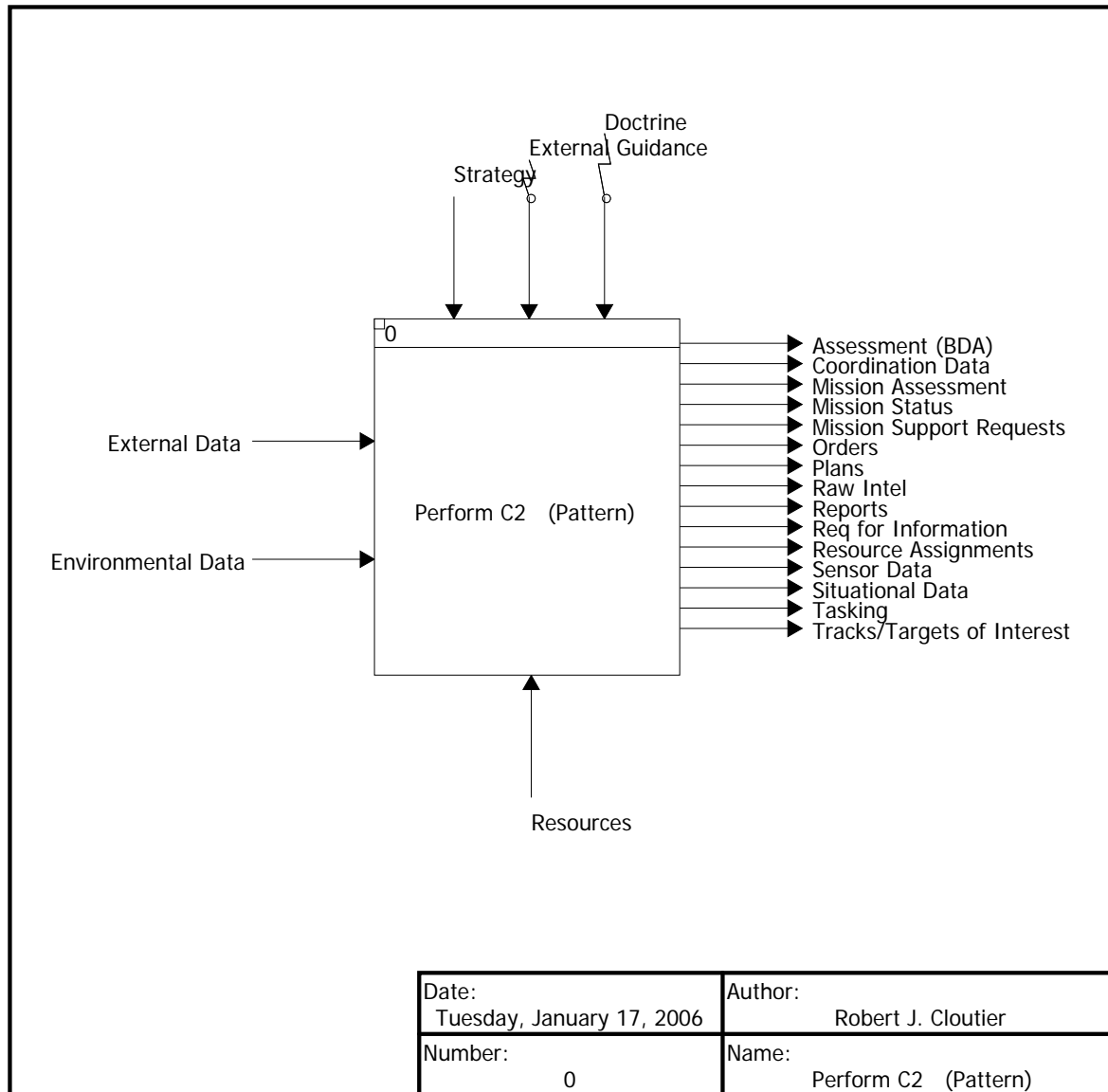


Pattern Name	Perform C2, Perform Command and Control
Aliases	None known
Keywords	Command and control, Plan, Detect, Control, Act, C2.
Problem Context	Does not address “Prepare” precondition (though one might argue that prepare and plan go together) nor “Assess” post condition
Problem Description	In command and control (C2), the situation is typically managed in identifiable phases. And, the situation may move back and forth between the stages. Those stages are Plan/Detect/Control/Act
Forces	Terminology may vary from one domain to the next, and should be adapted in the application of the pattern
Pattern Solution	This pattern provides the basis for developing the command and control (C2) interfaces and information that moves through the stages of C2. It provides the A0 Context and the first level of decomposition using IDEF0.
Model	See next page
Interfaces	Information flows between the stages of this pattern, as well as feedback loops. Some information is generated only in a particular stage and then output in the form of reports. Names of information can be modified as required by specific domain application.
Resulting Context	Further work is required to define the tasks to be performed within each stage, and the allocation of tasks to systems, hardware, software or people.
Example	This pattern may be used in the modeling of a C2 system for military or paramilitary operations system (such as police or homeland defense) where there would be a planning phase, a detection of an situation or “bad guy”, an identification and controlling or managing of the information, and a required action to perform the mission. May even be extended to motor vehicle fleet operations.
Known Uses	Command and Control applications
Related patterns	OODA (Observe, Orient, Decide, Act)
References	Numerous, to include MCDP 6 Marine Corps Command and Control Handbook
Pattern Rationale	This is a time tested doctrine used by the military, that may be applicable to other domains
Author(s)	Harry Johnson Ph.D., Ken Hartnett, Satya Moorthy, Robert Cloutier, 2006.

Perform C2 A-0 Diagram



Perform C2 A0 Diagram

