



### Introduction

Organizations are always pursuing improvements in how they work in order to increase efficiency and reduce errors. This requires analysis and continuous improvement of their working methods, which may include very structured workflows in predictable situations, as well as protocols to respond to dynamic situations where it is impossible to prescribe a fixed process. Recognizing these varied requirements, members of the Object Management Group® (OMG®), an international, open membership, not-for-profit technology standards consortium, have produced three successive, powerful and complementary standards, which together can model the range of working methods used across most organizations. This “triple crown” of process improvement standards offers support for process specification (BPMN™), case management (CMMN™) and decision modeling (DMN™).

### Value Proposition

- Reach faster agreement on the *as is* and *to be* processes through unambiguous models;
- Encourage stakeholder participation through graphically expressive notations;
- Facilitate the analysis and improvement of operations; and
- Create a library of processes, case definitions and business rules to train new employees.

### Business Process Modeling Notation™ (BPMN)

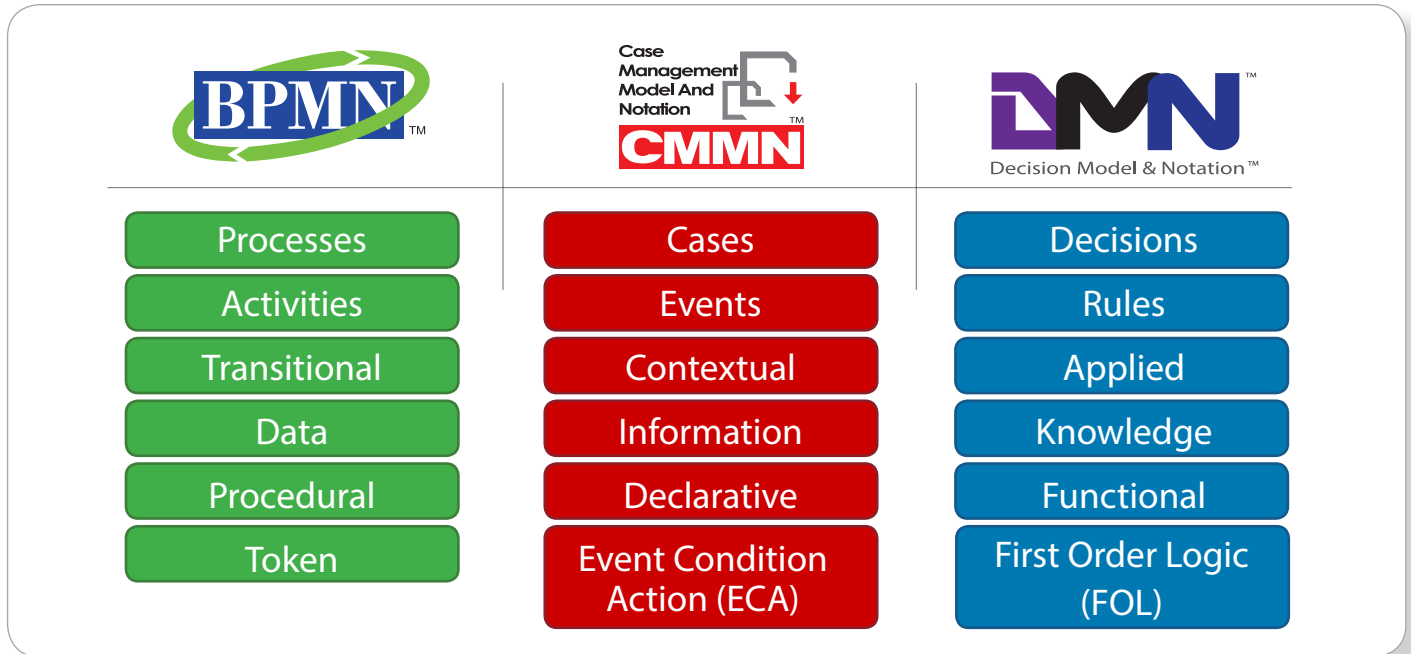
BPMN is a precise, complete and graphical notation for documenting well-defined business processes. It resolves many ambiguities found in textual process specifications by assigning activities to specific actors. Analyzing the resulting models can be used to drive process improvement initiatives, regardless of whether processes are automated or manual. Because the graphical model is readily understandable by non-technical people, it serves as a bridge that allows collaboration between business stakeholders and IT personnel. OMG’s BPMN 2.0.1 specification has been published as International Standard ISO/IEC 19510:2013.

### Case Management Model and Notation™ (CMMN)

CMMN is a graphical notation used for capturing work methods that are based on the handling of “cases” requiring various activities that may be performed in an unpredictable order in response to evolving situations. Using an event-centered approach and the concept of a *case file*, CMMN expands the boundaries of what can be modeled with BPMN, including less structured work efforts and those driven by knowledge workers. Using a combination of BPMN and CMMN allows users to cover a much broader spectrum of work methods.

## Decision Model and Notation™ (DMN)

DMN is a notation for the precise specification of business decisions and rules. DMN is readily readable by the different types of people involved in decision management. These include business people who specify the rules but also monitor their application; business analysts who transform user input into detailed decision models; and software developers who implement them in enterprise systems. DMN is designed to work alongside BPMN or CMMN providing a mechanism to model decision making within both process models and case models.



Differences in terms of core concepts, focus and semantics.

While BPMN, CMMN and DMN can be used independently, they were carefully designed to be complementary. Indeed, many organizations require a combination of process models for their prescriptive workflows, case models for their reactive activities, and decision models for their more complex, multi-criteria business rules. Those organizations will benefit from using the three standards in combination, selecting which one is most appropriate to each type of activity modeling. This is why BPMN, CMMN and DMN really constitute the “triple crown” of process improvement standards.

### Want to learn more?

We are happy to discuss how OMG membership will benefit your organization! Please explore our website at [www.omg.org](http://www.omg.org) and when you are ready, please contact [bd-team@omg.org](mailto:bd-team@omg.org) or call + 1-781-444-0404 to get started.

### About OMG

The Object Management Group (OMG) is an international, open membership, not-for-profit computer industry standards consortium with representation from government, industry and academia. OMG Task Forces develop enterprise integration standards for a wide range of technologies and an even wider range of industries. OMG’s modeling standards enable powerful visual design, execution and maintenance of software and other processes. Visit [www.omg.org](http://www.omg.org) for more information.



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