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## Competencies development in an aerospace organization in the globalized world.

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## Why is it important to manage dynamic capabilities and competencies?



The prototype of the Satellite Launch Vehicle exploded in the Alcântara Base, while technicians were working on it. 21 died in the of course, this is an extreme accident
Accident can cause a delay of 30 years in the Brazilian space program


INTRODUCTION

Competency

The sum of knowledge, skills and attitudes, this field three main areas have become classics, ie knowledge (knowledge), skills (knowhow) and attitudes (knowing how to be / act).



According to this definition the dynamic capabilities are:

- A way of the organization responding to changes in the external environment, and a source of competitive advantage in turbulent environments (Teece e Pisano, 1994; Teece et al., 1997; Lee et al., 2002; Teece, 2007; Pavlou e Sawy, 2011),
- Also relevant in stable environments (Eisenhardt e Martin, 2000)
- Especially important in technological areas (Teece, 2007; Drnevich e Kriauciunas, 2011):



## The context fo the DC is a system Resources

## Competence

## Core Competence $\square$

Dynamic Capabilities
Competitive advantage temporary
Competitive advantage sustentable
Capabilities
A subset of capabilities that represent an intentional effort to create, modify or reconfigure the resources and the operational capabilities, with the intention of creating new products or services (Teece and Pisano, 1994; Teece et al. 1997; Eisenhardt and Martin, 2000; Winter, 2003; Zahra et al. 2006; Ambrosini and Bowman, 2009b; Pavlou e Sawy, 2011)



Structure of competence $\mathrm{CMMI}^{\circledR}$ for Development (Software Engineering Institute, 2010)



## Strees management

Resourceful use of influence
Consensus Development
Concer for credibility
Anticipation of impact
Business partiner orientation
Information gathering
Developing others
Bussines awareness
Organizational awareness

## Decision Making <br> Anticipation of impact <br> Alocation resources <br> Priority Alignment <br> Strategy at process level

- Strategic decision making (e.g., Eisenhardt, 1989; Fredrickson, 1984; Judge and Miller, 1991);
-Reconfiguration of resources (e.g., Hansen, 1999; Hargadon and Sutton, 1997; Szulanski, 1996);
- Resource allocation (e.g., Burgelman, 1994);
- Coevolving (e.g., Eisenhardt and Galunic, 2000);
- knowledge creation (e.g., Helfat, 1997; Henderson and Cockburn, 1994; Rosenkopf and Nerkar, 1999); - Alliance and acquisition (e.g., Capron, Dussauge, and Mitchell, 1998; Gulati, 1999; Lane and Lubatkin, 1998; Powell, Koput, and SmithDoerr, 1996; Ranft and Zeithaml, 1998; Zollo and Singh, 1998).
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