



New Challenges for Naval Warfare

How the Cloud technologies and process provides can provide some solutions



The operational environment is moving fast

France's ability for information superiority at sea is being challenged in all aeronaval related operational domains : maritime, air, space, cyber and EW :

- Air and maritime superiority is not granted anymore
- Secure and safe use of satellite is at stake
- The EW domain is crowded
- And in the digital domain stand many emerging opportunities together with new threats, especially related to the cyber field

More and more emerging high intensity level capable foes

More and more various threats at low intensity level

Borders between peace and war thresholds are always blurrier

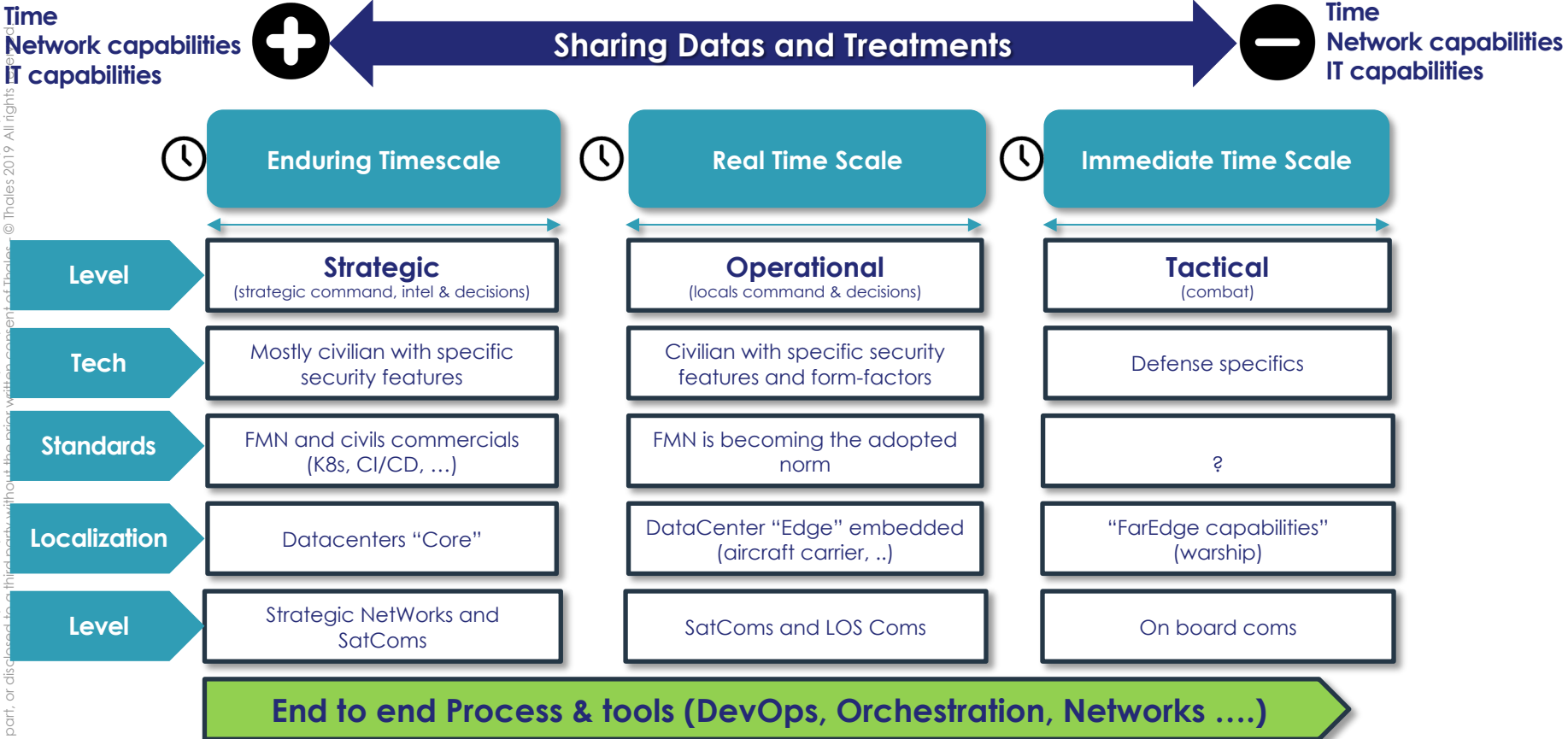
The cloud provides some answers in a multidimensional figure

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Naval Cloud is a coherent « end to end » solution

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Technical Challenges

- **Capability to share and process data from Sensors to Core Cloud**
- **Provide sufficient network (SatCom, Radio, LOS ...) capabilities to support Clouds and collaborative combat**
- **CyberSecure the whole solution mixed with a Data Centric Security approach**
- **Adopt a coherent technical and process baseline for each level of deployment**
- **Design an interoperable system at the beginning of the project (FMN approach, ...)**
- **Propose a DevOps approach in order to accelerate new applications delivery**
- **Develop skills and organize human resources for operating Cloud technologies**