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**A GLOBAL AND EFFICIENT SITUATIONAL AWARENESS IS THE KEY FOR THE FUTURE BORDER SURVEILLANCE C4I SYSTEMS**

Exhaustive and permanent situational awareness (SA) of large areas is the most important requirement for border surveillance. Huge number of end-users answering the CAMELOT questionnaire agrees that SA has to exist in real-time, to be available on a multitude of devices from command rooms to mobile devices and to deal with multi-domain surveillance in all-weather conditions. Moreover, information coming from multiple sensors has to be fused into a global picture, avoiding shadow areas. Legal and secured sharing information from different organisations along borders is mandatory to get the global picture. The overall performance of the system is also a key point, during routine basis and emergency situations. Accessing the right information at the right time is needed even in degraded modes where classical network communication are off.

**Human is still the centre of the system**

**MAIN REQUIREMENT: WORKLOAD REDUCTION**

The wide area coverage requirement implies to keep the cognitive load of the operator into acceptable levels by automating part of his task as much as possible. Human is still central in the decision making process. One of the main current problem is information overload, and, according to the end-user of CAMELOT, the decision process and tools employed need to be addressed since they are key points for cognitive load. Additionally, a reduction in workload is directly correlated to an increase in autonomy by the C2 framework. Moreover, the end-users hope a more reliable information (even directly targeting the detected event of interest and its neighbouring context) to reduce the workload and provide extra time to make a documented decision.



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