Network decision support systems (NDSS) are a new type of DSS which has evolved from the rapid development of mobile technology. NDSS differ from traditional DSS in that they consist of man and machine nodes connected via mobile networks with the salient property that nodes enter and leave the network in unpredictable fashion. Further, the dominant decision-making mode in NDSS is collaborative versus individual.

This minitrack addresses the challenges of integrating social and sensor networks into seamless manned-unmanned collaborative environments; collaborative service-driven processes for social and sensor networks on-the-move; synergy, adaptation, and collaboration between man and robotics exchanging services on top of tactical and global mobile networks; situational awareness services for mobile social and sensor networks; and holistic models of their behavior.

The paper by Alexander Loechel, Goran Mihelcic, and Stefan Pickl reflects on collaborative services driven processes using the Open Source Approach for a Military Situational Awareness System.

Ahmed Kara and Nader Mohamed discuss synergy between human and software services in the review paper on Middleware for Mobile Social Network Application.

Dan Dolk, Thomas Anderson, Frank Busalacchi, and David Tinsley present a novel approach to mobile network-enabled decision support services in their paper on System Interoperability for Enabling Smart Mobile System Services in Network Decision Support Systems.