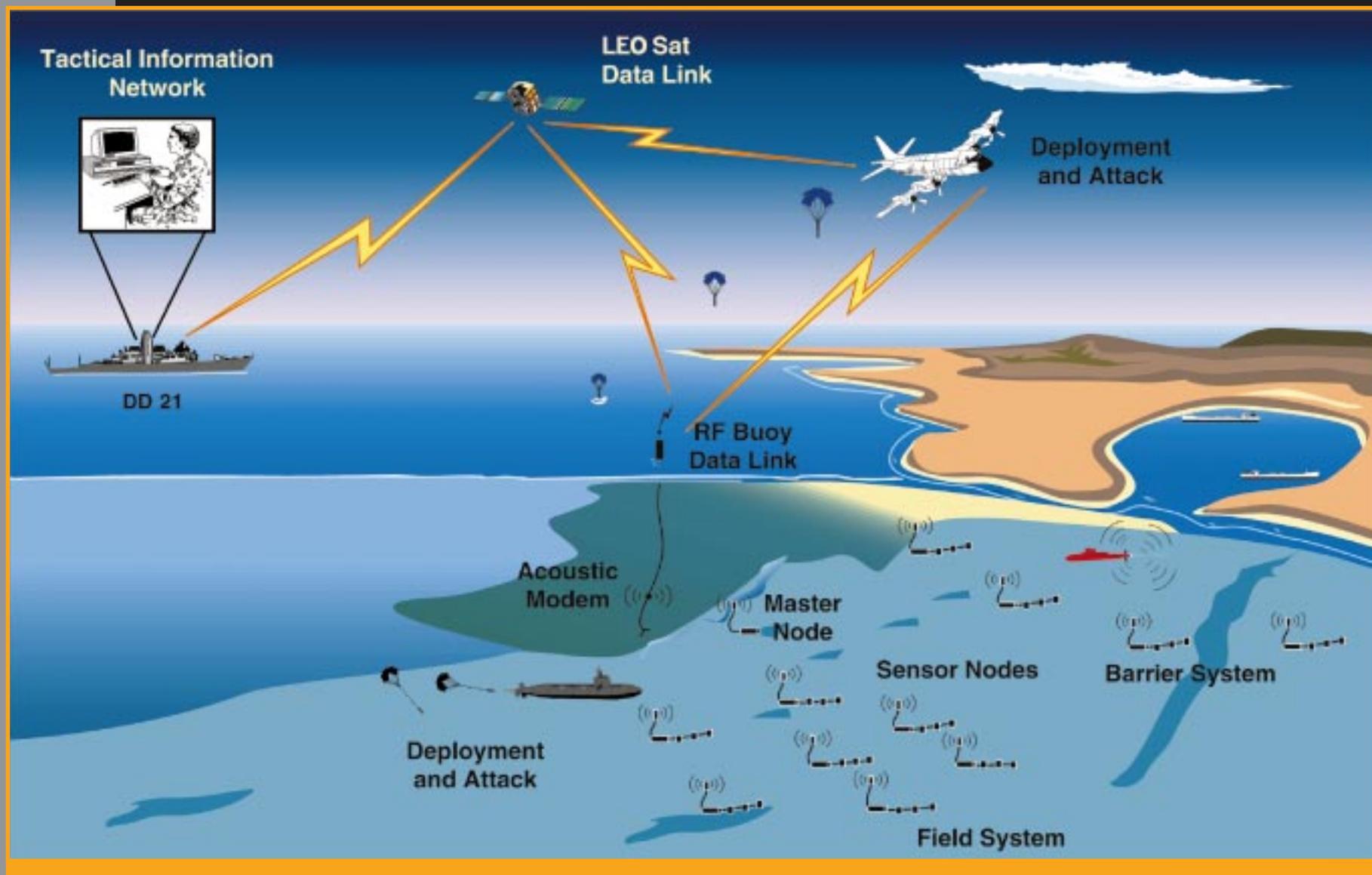




Autonomous Off-Board Surveillance Sensor (AOSS)



This acoustic sensor is one of 18 acoustic, electric, and magnetic sensors in a 100-meter string AOSS array. The AOSS array is a component of the Deployable Autonomous Distributed System (DADS) developed by SPAWAR Systems Center, San Diego using core technology results from and in collaboration with Office of Naval Research (ONR).

The AOSS array is air or surface deployable, and, once deployed, provides target detection, tracking, and automatic beam forming. Acoustic linking of data to surface nodes and inter-array cueing facilitate multi-array operations.