



ERIS-COMMS

ERA Information System for Data Communication Management

ERIS-COMMS is an information system designed for SW data routing and advanced data dissemination to transfer data between surveillance sensors, communication nodes, FIRs within the data communication networks.

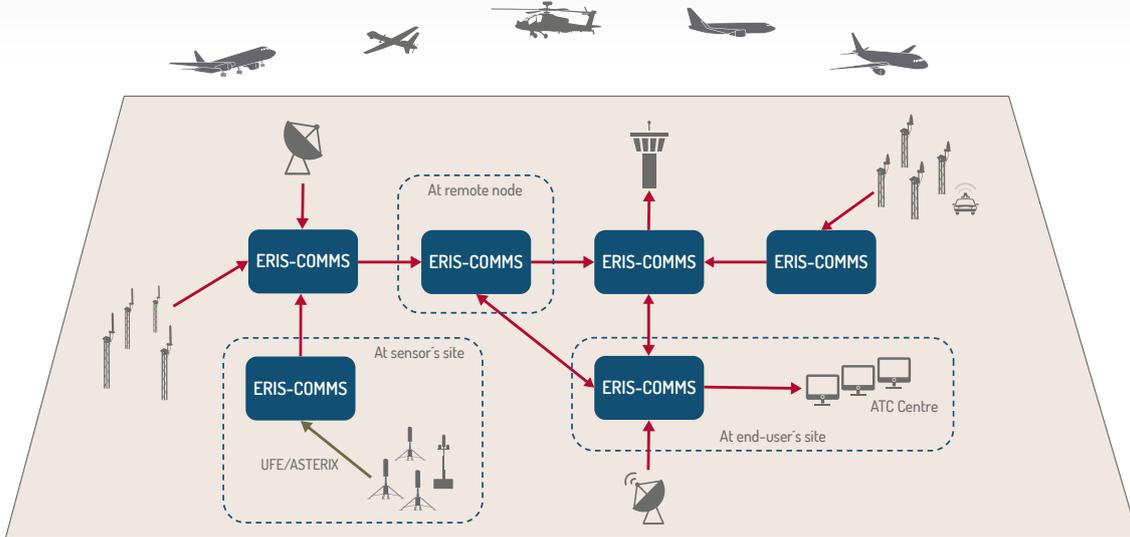
Providing an advanced data communication management, ERIS-COMMS can be deployed both at sensor sites as well as at remote locations of the communication networks.

The data transferred by ERIS-COMMS may be filtered based on parameters or geographic areas, subjected to selective information suppression, converted to another data format or recorded for later analysis.

KEY FEATURES:

- ✓ SW data routing and data dissemination
- ✓ Data integrity check
- ✓ Format conversions for interoperability support
- ✓ Advanced data dissemination rules
 - Parametric filters
 - Geographic area filters
 - Data item selection
- ✓ Centralized data communication management
- ✓ Data recording, archiving and exports
- ✓ Online monitoring and control

DEPLOYMENT AND DATA FLOW OPTIONS:



FUNCTIONS:

ERIS-COMMS provides SW control over how the information from surveillance sensors or other sources is distributed to the destinations in the communication network.

• SW DATA ROUTING AND DATA DISSEMINATION

The key task of ERIS-COMMS is enabling transferring data from surveillance sensors or other sources to specified destinations (users) in the communication network according to a set of rules.

• DATA FILTERING

Individual data messages are filtered out if the userdefined parametric or geographic area conditions are not met.

• DATA FORMAT CONVERSION

Conversion between data formats (e.g. UFE/ASTERIX to ASTERIX) supports the interoperability between the various systems involved.

• DATA RECORDING, ARCHIVING AND EXPORTING

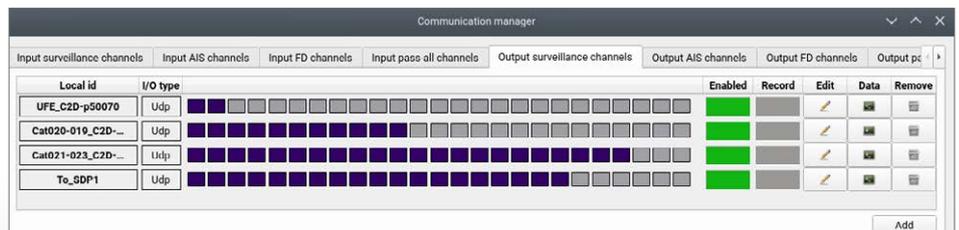
Continuous recording of selected input or output data streams creates archives available for later exports and replays.

BENEFITS:

- ✓ State-of-the-art programming
- ✓ Effective multi-threaded processing
- ✓ Advanced communication statistics between ERIS-COMMS nodes
- ✓ Interoperability support

TECHNICAL PARAMETERS:

- Distribution using UDP/IP and TCP/IP protocols
- Support of UFE, ASTERIX, AWCIES and FPL formats
- Full knowledge and support of sensors' output
- Communication statistics between ERIS-COMMS
- Real time stream control and monitoring
- Server-Client architecture
- Available for OS Linux & OS Windows
- Interoperability with ERA LAPDIS



Centralized management of communication channels