

The top of the slide features a header image. On the left, there is an orange vertical bar with a white grid pattern. The Skysoft logo is positioned in the upper left of this bar. The rest of the header is a photograph of several large, white satellite dishes pointing towards the sky against a clear blue background.

**SKYSOFT**

SOLUCIONES ORIENTADAS A LA  
EFICIENCIA Y SEGURIDAD.

## About Skysoft

It is a company dedicated to the development, implementation and management of different types of telematic systems.

Since 2006 Skysoft has dedicated its efforts to the development and implementation of electronic messaging systems applicable to the aeronautical industry, Armed and Security Forces.

All our installed systems are in high availability environments, our experience based on critical situations and high availability system management is second to none.

This is how we have managed to develop a range of products that puts our company at the same level as larger companies around the world, in this field.



## Aeronautical Messaging Handling System

The aeronautical industry has adopted the AMHS (Aeronautical Messaging Handling System) for ground to ground communication services, used to send information such as Flight Plans (FPL), Aeronautical Information (AIS) or Meteorological Information (MET). Gradually all countries (states) will replace the old AFTN or CIDIN systems for AMHS.

A typical system is made up of the following components:

At least on X.400 Message Transfer Agent (MTA) as its communication / message distribution nucleus for connectivity with external devices.

A Message Store (MS) for message storage.

An AFTN / AMHS Gateway to transfer messages between the two systems

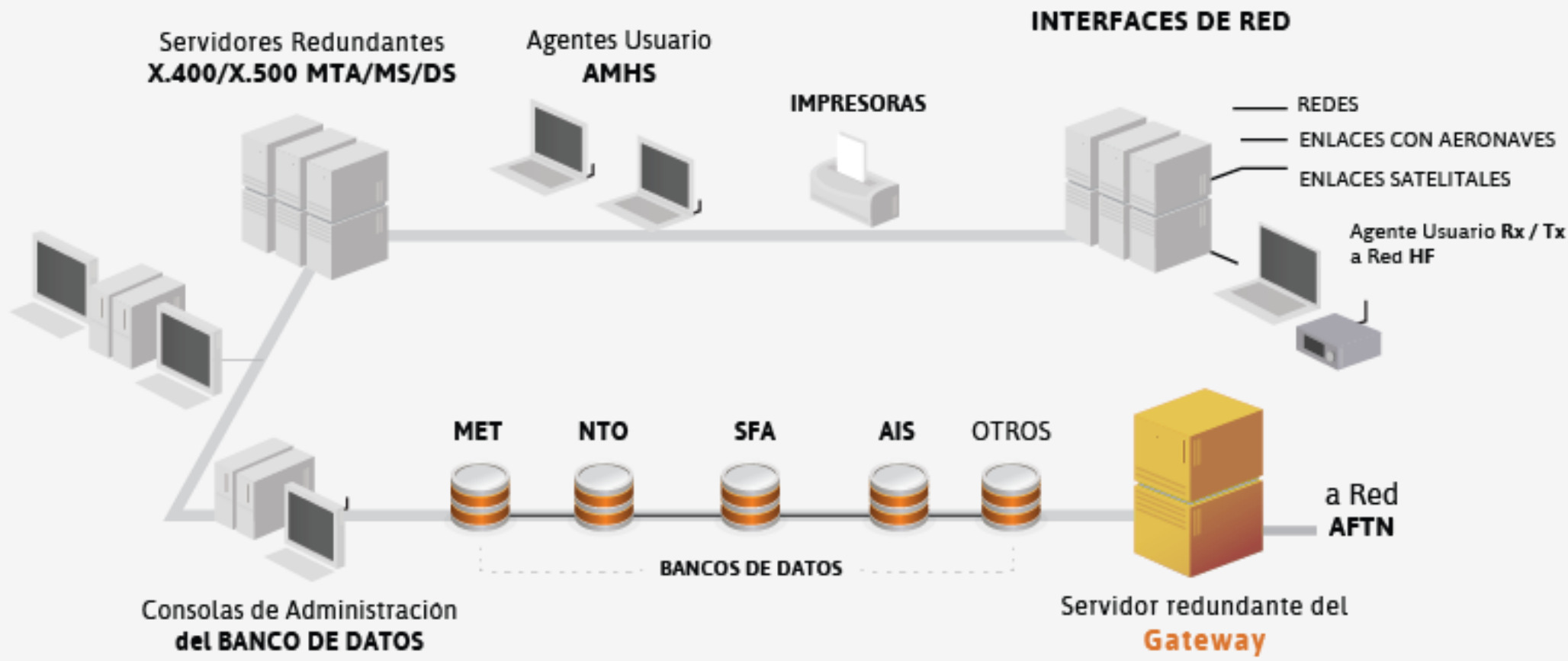
User terminals or User Agents to transmit and receive aeronautical messages.

Data bank servers for the storage of information to be manipulated or consulted by the system when necessary.





### Topología de red





There are two types of AMHS Messaging Systems:

- Basic Service system which provides functionality like an AFTN System.
- Extended Service system which provides additional functionality, such as digital signature for security, directory services, transmission of attachment files.

Skysoft supplies both types of system, but in general the aeronautical authorities decide on the extended service system to take advantage of the directory services provided.



All the system components are Commercial off the Shelf (COTS) and comply with the following standards:

ICAO SARPS

ITU (Telecommunications International Union) X.400 and X.500

ICAO Doc. 9705 and 9880

ICAO Annex 10 Vol II

ICAO Annex 3

ICAO Annex 15

ICAO Doc. 4444

ICAO Doc. 7030

ICAO Doc. 8126

ICAO Doc. 8529-AN/936

ICAO Doc. 9739





## Military Message Handling System

The Military Message Handling System is a system that provides essential services to the Armed Forces, so they have an efficient and secure electronic messaging system.

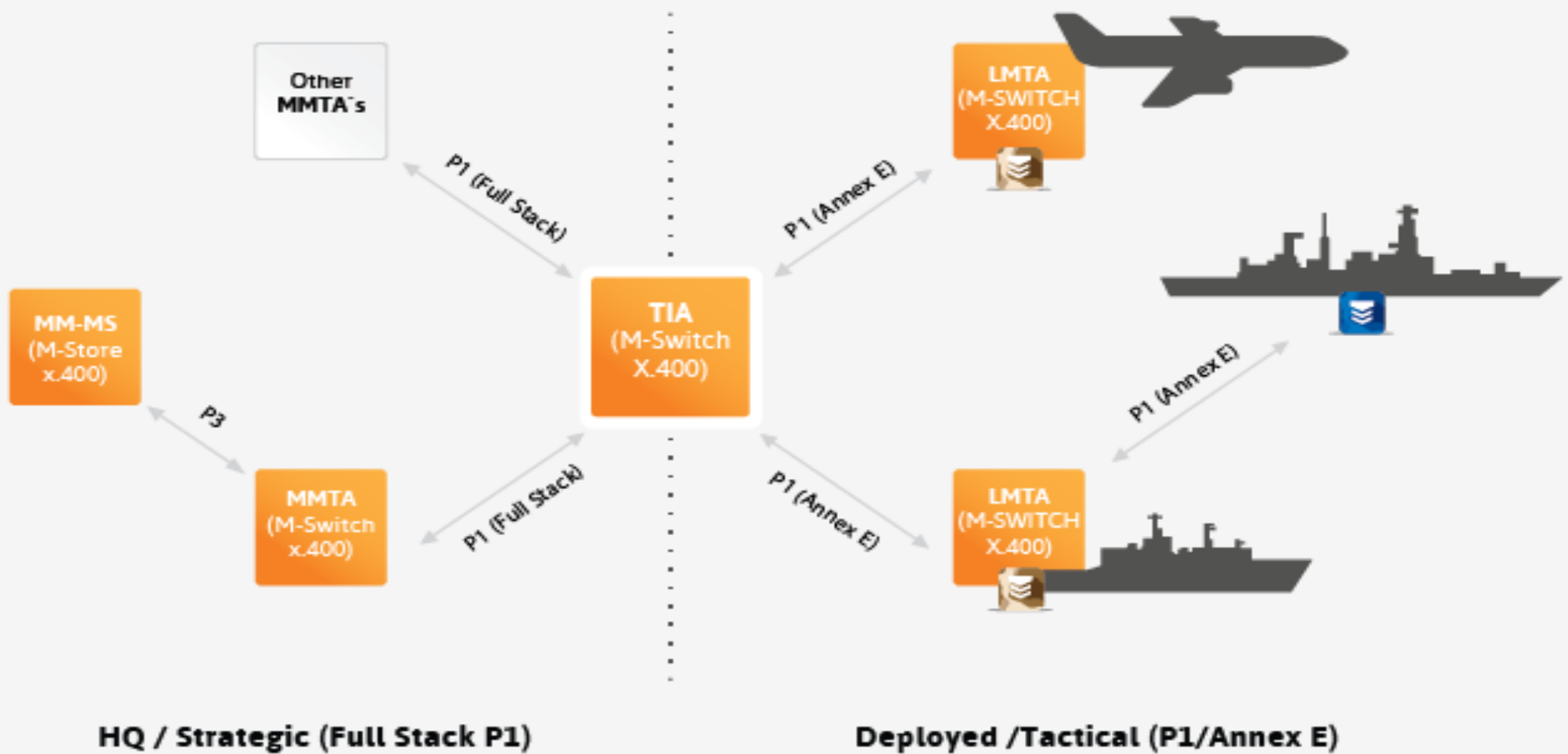
Skysoft provides a product infrastructure for secure military messaging based on STANAG 4406, as well as a Gateway between military systems and non-military messaging systems.

The systems used for military applications make use of the STANAG 4406 protocol amongst others. This is the NATO (North Atlantic Treaty Organization) standard for military messaging systems that replaced the old ACP 127.

This same system may be used at tactical and strategic levels. At a tactical level it is designed to work with slower data transmission links such as HF (STANAG 4406 Annex E) and receives (but does not transmit) in Emission Control (EMCON) mode.



## Arquitectura de red:





Administración Nacional de Aviación Civil, República Argentina.



Fuerza Aérea Argentina,  
República Argentina.



Perfectura Naval,  
República Argentina



Dirección Nacional de Aeronáutica Civil, República del Paraguay.





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