



MCP/IMCP

MISTRAL COORDINATION POST/IMPROVED MISSILE CONTROL POST

Mistral short-range air defence systems

To provide optimum surveillance, command and control functions for Mistral missile Ground Based Air Defence (GBAD) systems, MBDA has developed MCP and IMCP.

These two systems are both equipped with radar (for target detection, identification and tracking) and a powerful computer. They both offer a wide range of operational capabilities such as automatic threat evaluation and prioritisation, target assignment and permanent control of the launchers.

MCP and IMCP both provide all the necessary functions required for the deployment and engagement of Mistral operational units at troop/platoon level that are equipped with ATLAS, ALBI or MPCV (Mistral launching systems).

MCP and IMCP can both be connected to an upper level of command for networking within a wider air defence architecture. If required, they can also be interconnected thereby enabling a local auto-coordination between several adjacent Mistral units.

- Mounted on a 4x4 high mobility vehicle, the Mistral Coordination Post is very light and compact. The system is equipped with an very accurate X-band radar capable of providing an early warning at up to 30km range and of identifying targets with its integrated IFF. Requiring only a single operator, MCP is capable of simultaneously tracking up to 20 targets and features a very high level of ECM resistance.

- The Improved Missile Control Post offers the same functions as MCP but is based instead on a state-of-the-art 3-D S-band radar assembly comprising solid-state technology as well as a number of other latest technology features. In terms of performance, the IMCP can detect, identify and simultaneously track up to 200 targets at a range of some 80km.

The outstanding capabilities of IMCP offer an extremely high level of operational flexibility. It can be operated either from the shelter itself or remotely from a separate Platoon Command Post vehicle. Thanks to its range and accuracy, it can be used in a multi-layer configuration, providing target data for short range/medium range GBAD units combining both Mistral and VL MICA launchers.

Operational advantages

- **Comprehensive C2 functions**
- **Early warning, detection identification and tracking**
- **Ease of operations**
- **Minimised manpower**
- **Flexibility of operations**

GROUND BASED AIR DEFENCE

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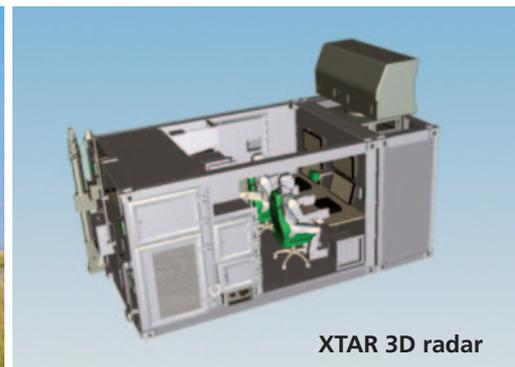


MCP



MCP

PCP - ATLAS - MPCV



XTAR 3D radar

Mistral Coordination Post (MCP)

- Integrated IFF
- Easy to operate
- Transmission of firing orders in gunner's native language
- Compact and mobile
- One single operator plus radio operator
- Deployment time < 5 minutes
- 3x MCPs can be interconnected
- Can be connected to upper level of command

Technical characteristics/specifications

- X-band
- Detection range: up to 30 km
- Maximum altitude: 4,000 m



IMCP with X-Band radar

GM60 radar

Improved Missile Control Post (IMCP)

- 3D, S-Band
- Detection range: up to 80km
- Maximum altitude: 15,000m

Technical characteristics/specifications

- Integrated IFF
- Easy to operate
- Transmission of firing orders in gunner's native language
- One system operator + 2 additional working positions
- Deployment time < 10 minutes
- 200 simultaneous tracks
- High reliability
- Can be remotely controlled from a Platoon Command Post

