

# SPN-720

## SPN-720

### Shipborne system for aircraft control and landing

#### GENERAL

The SPN-720 is a shipborne radar system which main task is to control aircraft in the near area and to assure their guidance for both direction and altitude, along the glide path when landing on airplane and/or helicopter carriers.

The system is inclusive of a radar sensor in the X band with MTI performance and a stabilized antenna unit consisting of an antenna for surveillance and another antenna

intended to control the aircraft position along the chosen glide path.

Processed information is visualized by a "SURVEILLANCE" indicator (PPI display only) and by an "APPROACH INDICATOR UNIT" consisting of a PPI display and a specific "E-B" display on a television monitor.

Thank to the features of this sensor, low and very low altitude threats may be discovered, as a secondary task.



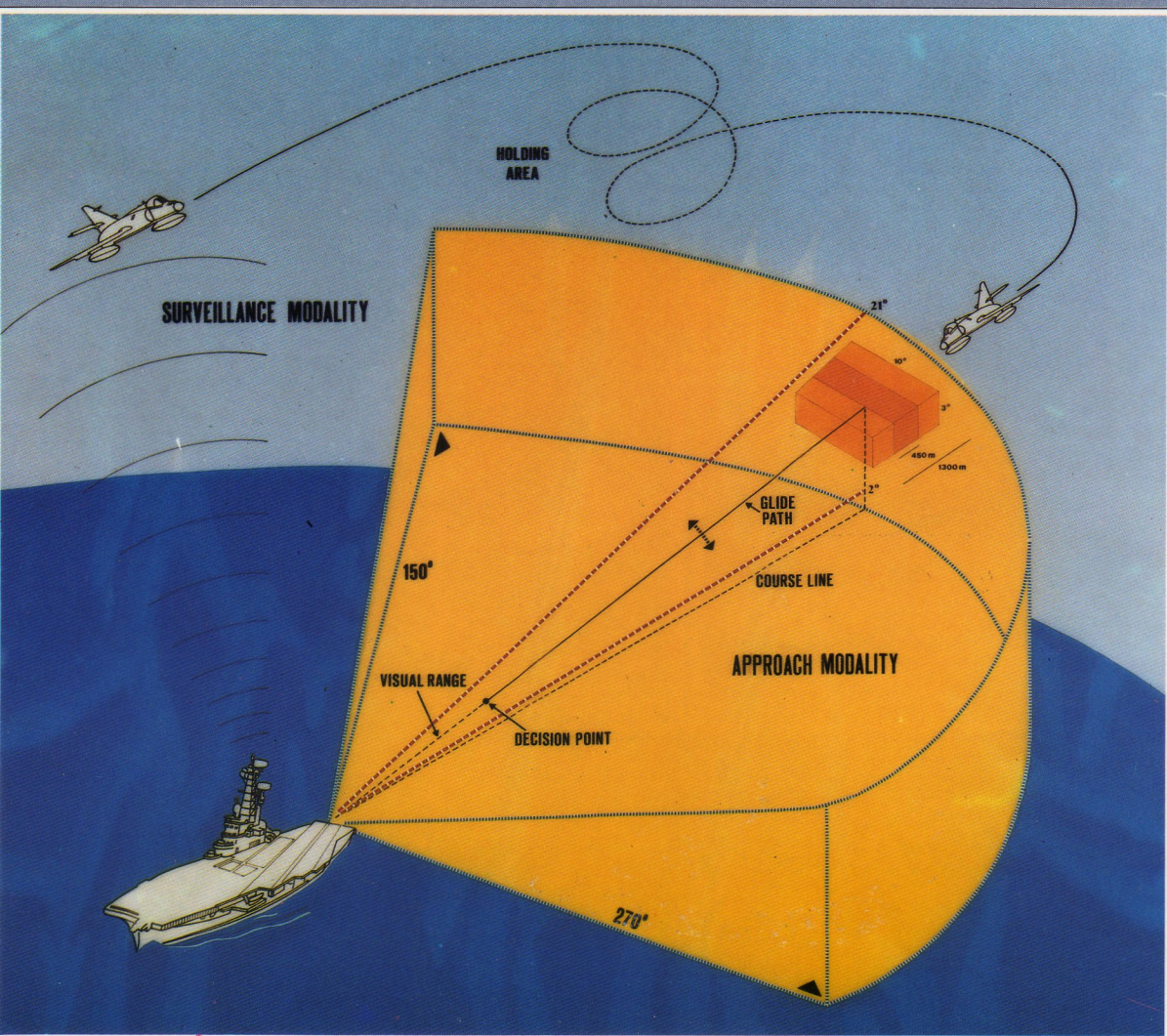
## SURVEILLANCE MODE

- Typical range on aircraft:  
≥ 15 nautical miles
- Vertical coverage with a range of 15 nautical miles so as to detect targets up to 2000 mt altitude.

## APPROACH MODE

- Range: ≥ 8 nautical miles.
- The approach path is in the sector between + 21° in elevation and - 2° in depression compared with the horizontal plane.  
The path position will be within 120° for azimuth compared with the ship's heading.

The dimensions of the path are included in a solid angle of 6° for azimuth and 4° for elevation, centred on the ideal axis of the glide path.



**SMA**

SEGNALAMENTO MARITTIMO ED AEREO

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