

AM/APS-717

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Search and weather airborne radar

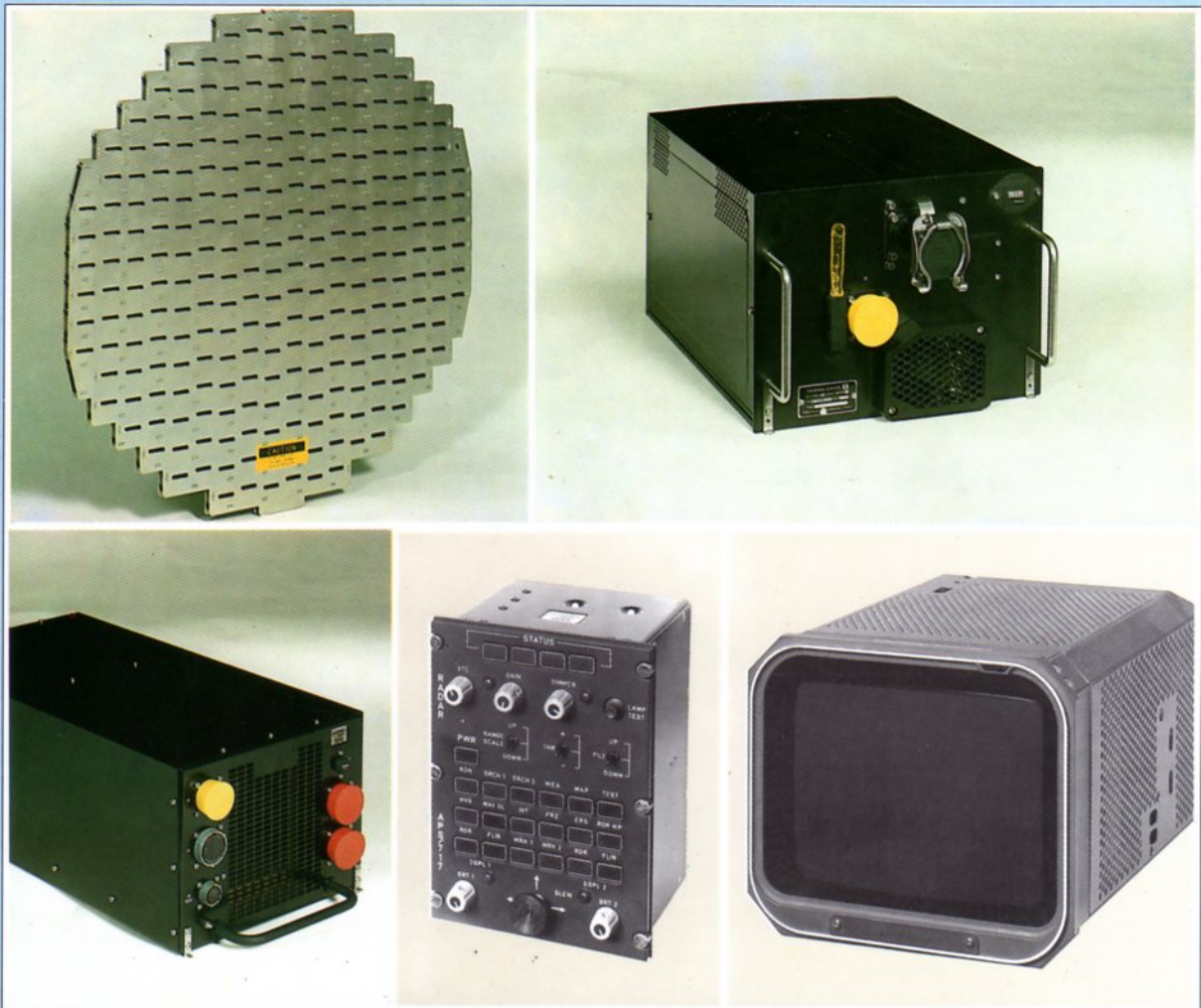
GENERAL

The AM/APS-717 is an X-band airborne radar suitable for installation on board fixed or rotary wing aircraft; its peculiar characteristic is the optimum integration of two main functions which usually require two different radars:

- Navigation aid with detection of meteorological phenomena, ground mapping and presentation of nav information
- Search, detection and localization of different targets in adverse meteo condition and aid to identification for SAR (Search And Rescue) and patrolling roles

These functions are obtained with a radar of easy installation and able to present easy readable information to the pilot and/or the copilot by means of color TV monitors suitable for cockpit use.

Particular attention has been made to maintainability and product standard requirements to optimize the life cycle cost-effectiveness ratio.



OPERATIONAL ROLES

- Patrolling
- Search and rescue
- Transport

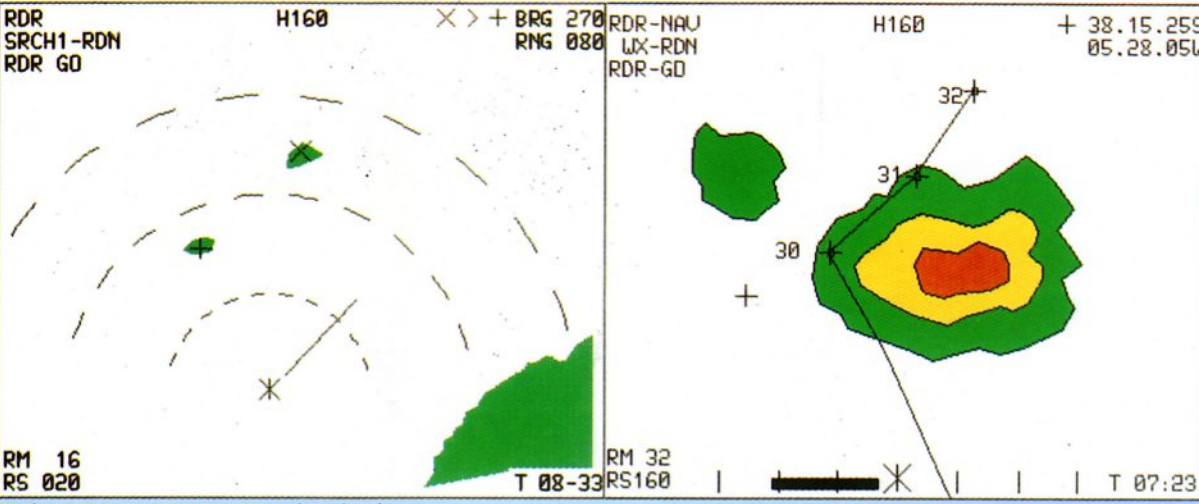
MAIN FEATURES

- Detection and localization of targets in adverse interfering environment (rain and sea clutter)
- Detection and localization of weather phenomena as navigation aid
- Integration of radar map and navigation data
- Integration with FLIR sensor as aid to target identification

OPTIONALS

- Presentation:
 - 1 or 2 cockpit displays
 - additional operator display
- Antenna
 - nose or ventral/dorsal installation
 - sectorial or 360° scanning

Selected by Italian Air Force for S.A.R. HH-3F helicopter



Radar presentation on TV color display

Integration of meteomap and navigation data



SMA

SEGNALAMENTO MARITTIMO ED AEREO

HEADQUARTERS AND PLANT: 50100 FIRENZE - VIA DEL FERRONE - P.O. BOX 200
 CABLE: SMA - FIRENZE - PHONE 055/27.501 - TELEX 570622 SMARAD I - TELEFAX 055-71.49.34
 ROMA OFFICE: 00100 ROMA - LUNGOTEVERE FLAMINIO 60 - PHONE 06/39.64.896