

*TEAM Audio-Radio Management System (ARMS), integrates radio frequency management and full audio controls, plus other controls when required.*

*A single Audio-Radio Control and Display Unit (ARCDU) can replace up to twelve radio control boxes and audio control panels.*

*TEAM ARMS product line is designed for aircraft and helicopter applications.*

*The new integrated ARMS generation is the achievement of 50 years of experience and progress in on-board communication systems and Man Machine Interface.*



**Audio-Radio Control and Display Unit (ARCDU)**

### SYSTEM COMPONENTS

- The basic ARMS system includes :
- One to six Audio-Radio Control & Display Units (ARCDU), (a typical installation includes two ARCDU's).
  - One Audio Management Unit (AMU).
  - The system could have more than one ARCDU (up to six) as well as audio control panels in the cabin, for example for special mission aircraft.

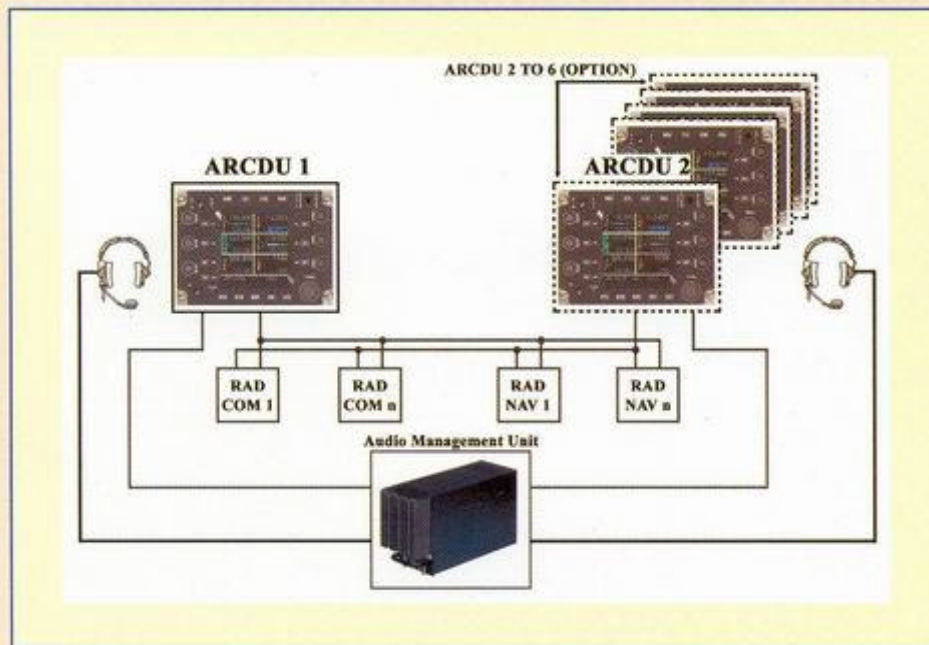
### REFERENCES

- French Air Force TUCANO
- BOMBARDIER DASH8-400
- PILATUS PC 9 (M) and PC 7 MkII.

### ADVANTAGES

- **Installation**
  - Saves space in cockpit
  - Reduces weight
  - Less wiring and connectors
  - Allows tandem installation
- **Maintenance-Logistics**
  - Increases MTBF
  - Reduces LRU/SRU stocks
  - Reduces Ground Equipment
- **Upgrade-Customization**
  - Easy evolution to new radio configurations with same place in cockpit.
  - Customized additional pages
- **Operation**
  - Immediate access to main functions
  - Information simultaneously displayed on all ARCDU's
  - High quality active matrix color LCD
  - Dimmable for night flight conditions.

## GENERAL STRUCTURE OF THE SYSTEM

FUNCTIONS OF THE ARMS

Allows to control :	Basic	Option
. Radio Communication	X	
. Radio Navigation	X	
. Intercom System	X	
. Transponder	X	
. Data Link		X
. Public Address		X
. Radio autotuning		X
. Aural Warning System		X
. SELCAL		X
. GPS or DGPS		X
<b>Can be connected to the ARMS :</b>		
. Anticollision System		X
. Centralized Diagnostic System		X
. Flight Management System		X
. Navigation sensors		X
. Flight Data Acquisition Unit		X

STANDARDS

The ARMS complies with :

- . MIL-STD-810 C :  
Environmental Test Methods.
- . MIL-STD-461 C :  
EMC requirements
- . MIL-STD-704 E :  
Aircraft Electrical Power Characteristics.
- . RTCA DO 160C :  
Environmental Conditions and Test Procedures for Airborne Equipment.
- . RTCA DO 178B level B :  
Software considerations in airborne systems and equipment certification.
- . ED-80 :  
Design assurance guidance for airborne electronic hardware.

RADIO & EQUIPMENT INTERFACES

Basic version compatible with :

- Major standards (ARINC 429, ...)
- Widely used proprietary buses.

On request, interface can be adapted to nearly all types of radios.

MECHANICAL FEATURES

ARCDU size :

- (width x depth x height)
- 146 X 165 X H, H ≥ 105 mm.
- H depending on application.

ARCDU weight < 2 Kg