

AIRBUS A330

FAMILIARIZATION / RECURRENT
ONBOARD MAINTENANCE



TECHSAVIATION
Training Academy

Qualidade é a chave da excelência

Este material em hipótese alguma substituirá os manuais do fabricante para qualquer ação de manutenção. Consulte os manuais correspondentes.

EDUCATIONAL PURPOSE ONLY

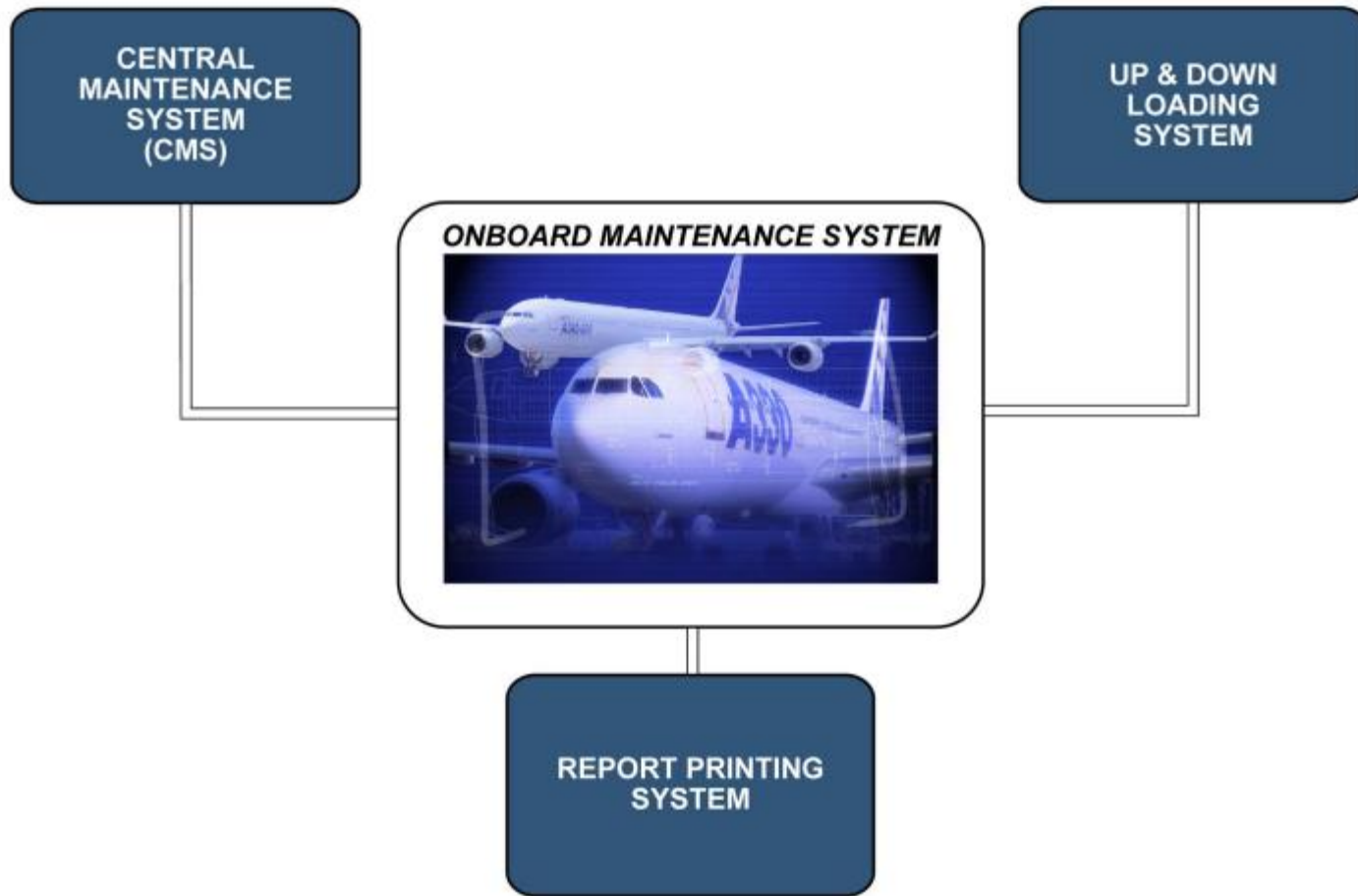
THIS CONTENT IS PROPERTY OF THE MANUFACTURER

45 ONBOARD MAINTENANCE SYSTEM PRESENTATION (1)

GENERAL

The Onboard Maintenance System (OMS) chapter is divided into:

- the Central Maintenance System (CMS),
- the up and down loading system,
- the report printing system.



GENERAL

CMS

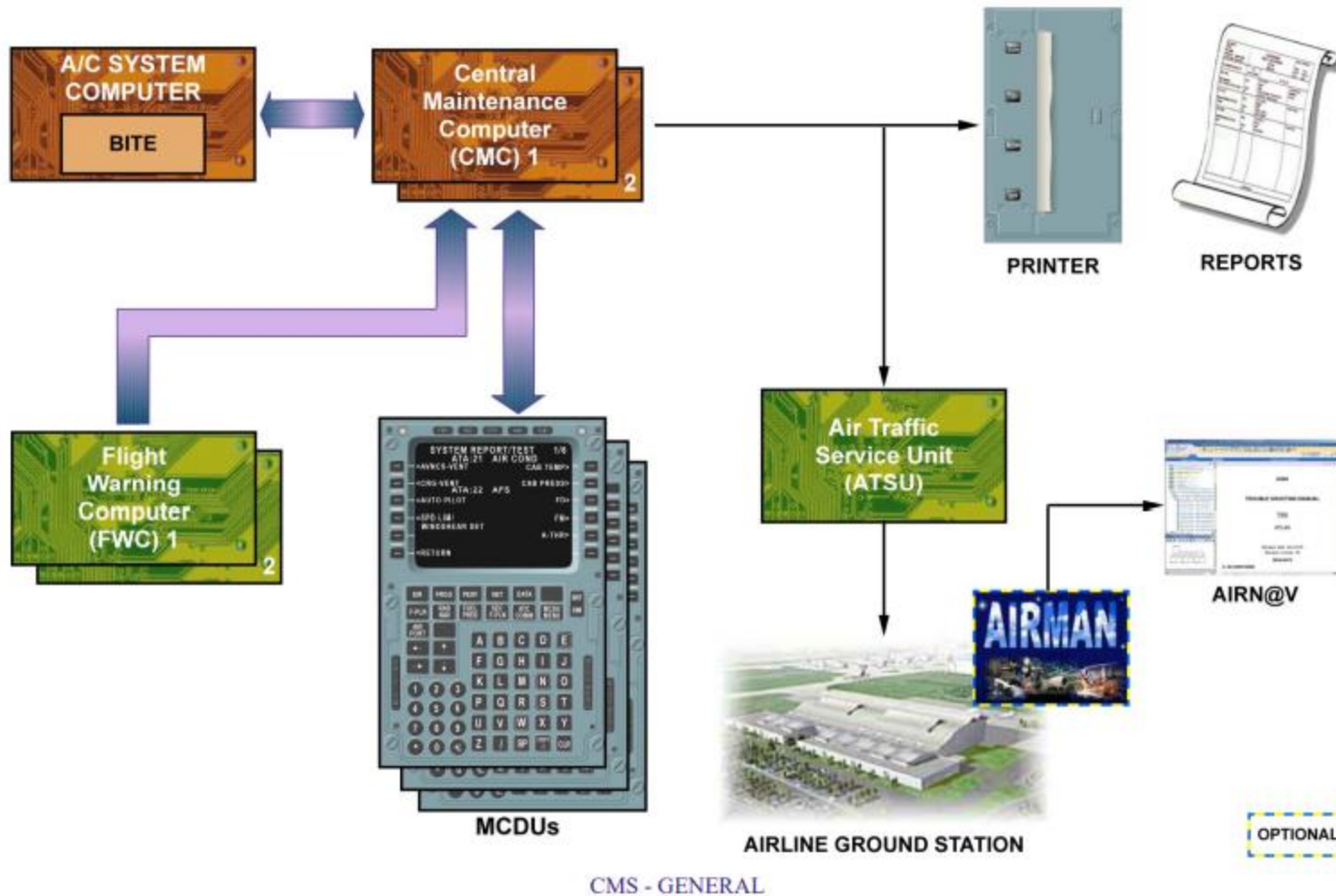
GENERAL

The Central Maintenance Computers (CMCs) centralize and memorize failure messages produced by the system BITE and warnings generated by the Flight Warning Computers (FWCs). The CMC lets the maintenance personnel make system operational tests, functional checks and read-out of BITE memory through the MCDU. The CMC builds up reports using memorized failures and warnings. These reports can be printed, using the onboard printer, or transmitted to the ground, using the Air Traffic Service Unit (ATSU).

AIRCRAFT MAINTENANCE ANALYSIS (AIRMAN), which is an optional ground-based software dedicated to optimize the maintenance of fly-by-wire Airbus aircraft, analyses the following data:

- real time warning and fault messages,
- the Post Flight Report (PFR) at the end of the flight.

AIRMAN gives to each event a link to the Trouble Shooting Manual (TSM) and the related documents. The AirN@v troubleshooting task is reached directly by hyperlinks from the AIRMAN application.



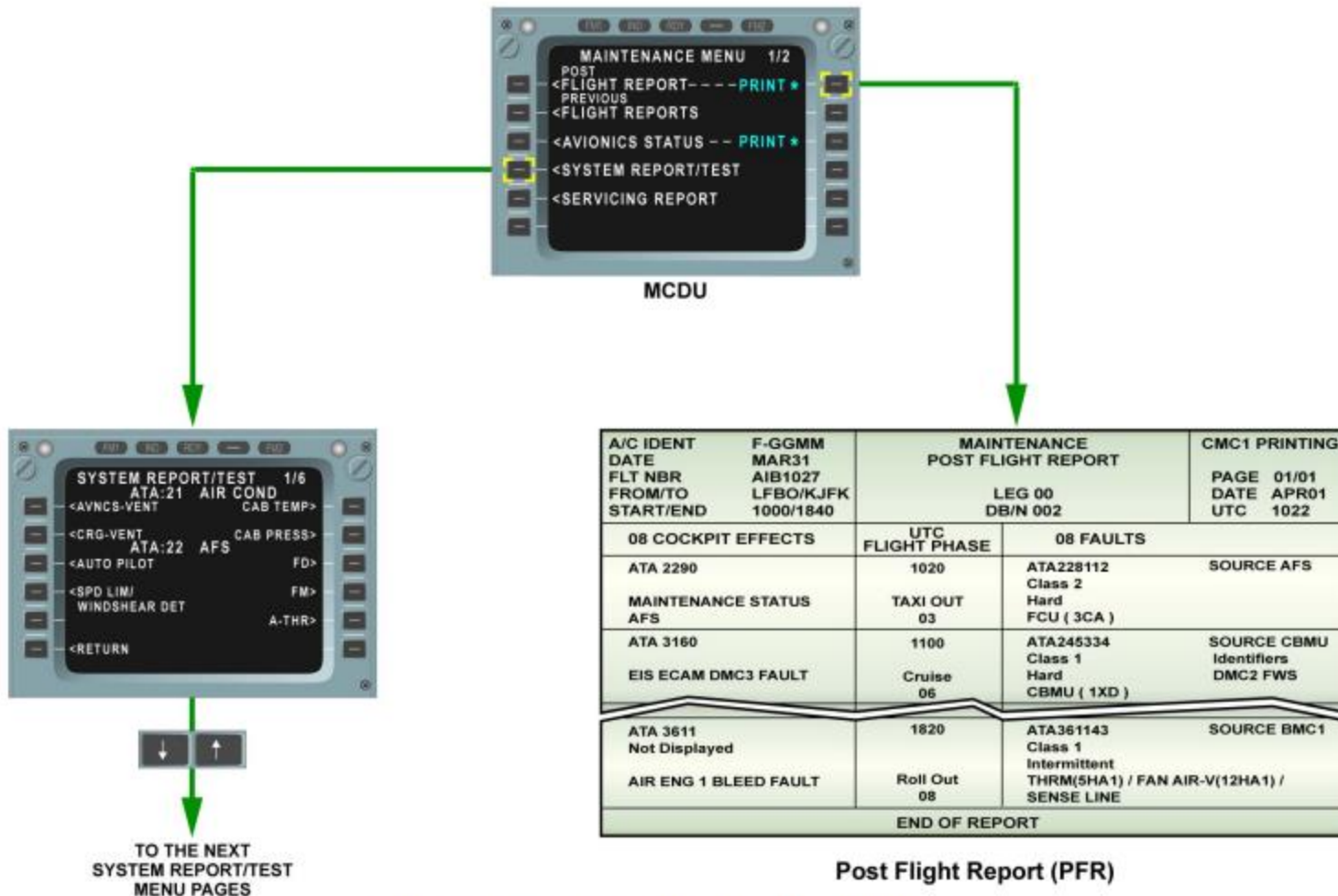
45 ONBOARD MAINTENANCE SYSTEM PRESENTATION (1)

CMS (continued)

POST FLIGHT REPORT AND SYSTEM REPORT TEST

The failure information is available in various reports. The reading of the failure information is made from two different MCDU menus depending on, if the A/C is in flight or on ground. The SYSTEM REPORT/TEST function is available on ground only. It makes a dialogue between the CMC and a system computer. The SYSTEM REPORT/TEST menu page presents the list of all the systems connected to the CMC, in ATA chapter order.

The maintenance PFR can only be printed on ground. It summarizes and displays the list of the ECAM warning messages and the fault messages, occurred during the last flight, with the related time, flight phase and ATA reference. It helps the maintenance crew to make a correlation for an easier troubleshooting.



CMS - POST FLIGHT REPORT AND SYSTEM REPORT TEST

CONTROL THROUGH MCDU

The SYSTEM REPORT/TEST function of the CMS MCDU menu is only available on ground and gives access to the interactive mode.

CMS MENU ON GROUND



MCDU



MCDU

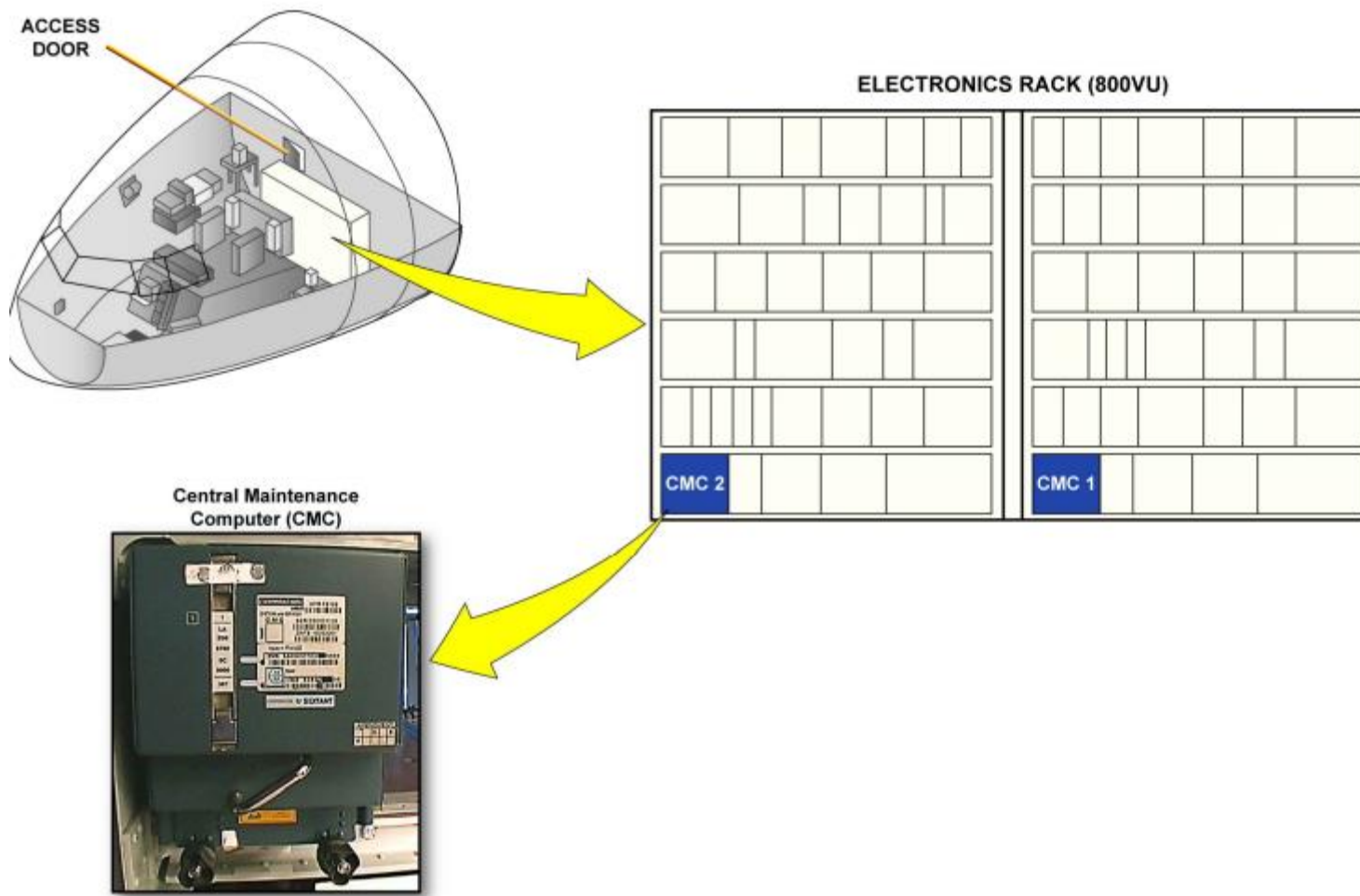
DISPLAYED ONLY
IN CASE OF
CLOCK FAILURE

CONTROL THROUGH MCDU

COMPONENTS LOCATION

CMC

The CMS comprises two CMCs. These computers are identical and interchangeable. The two CMCs are located in the main avionics rack (800VU). In normal operation, the CMC 1 is active and the CMC 2 is a hot standby.



COMPONENTS LOCATION - CMC



SAFETY PRECAUTIONS

Avisos Legais

Este material em hipótese alguma substituirá os manuais do fabricante para qualquer ação de manutenção. Consulte os manuais correspondentes. AMM, AIPC, SRM, SSM etc.

O fabricante da Aeronave, Motor ou qualquer produto aeronáutico, é o principal autor do conteúdo. Este material é uma forma de multiplicar treinamento prévio recebido pelo instrutor, por organização de manutenção, fabricante, escola etc.

Fontes de materia adicionais estão listadas abaixo, com nome, endereço de acesso, e autor.