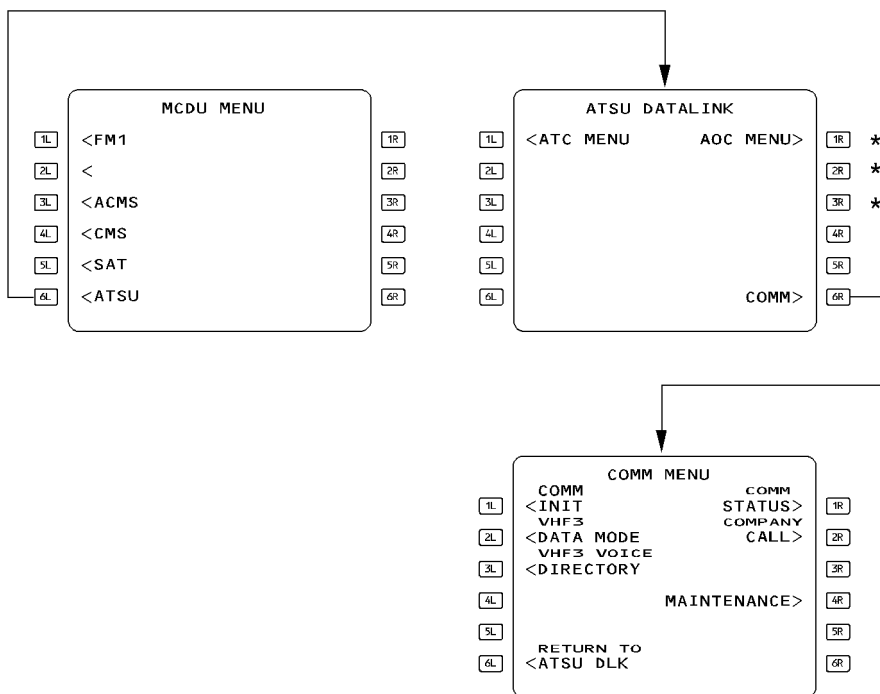


INTRODUCTION

The Air-Ground communications are managed by the ATSU communication function either:

- automatically without pilot action,
- or manually using MCDU pages and/or RMP.

The pilot controls the communications through the COMM MENU page on MCDU.



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* These fields are customized according to the AOC programming.

	INFORMATION SYSTEM ATSU COMMUNICATION FUNCTION	1.46.20 P 2	
		SEQ 100	REV 11

DOWNLINK AND UPLINK MESSAGES

DOWNLINK MESSAGES

Aircraft to ground messages (downlink) comprise maintenance, monitoring, operational, performance and cabin data and later ATC messages.

Report generated by a peripheral (CMS, ACMS, FMS, CABIN TERMINAL) system can be automatically downlinked by the ATSU depending on each airline AOC programming.

UPLINK MESSAGES

Ground to aircraft messages (uplink) either contain crew information (wind for example) or data to be uploaded into the FMS (Flight plan for example). Uplinks can also embed request for transmission of specific downlink reports.

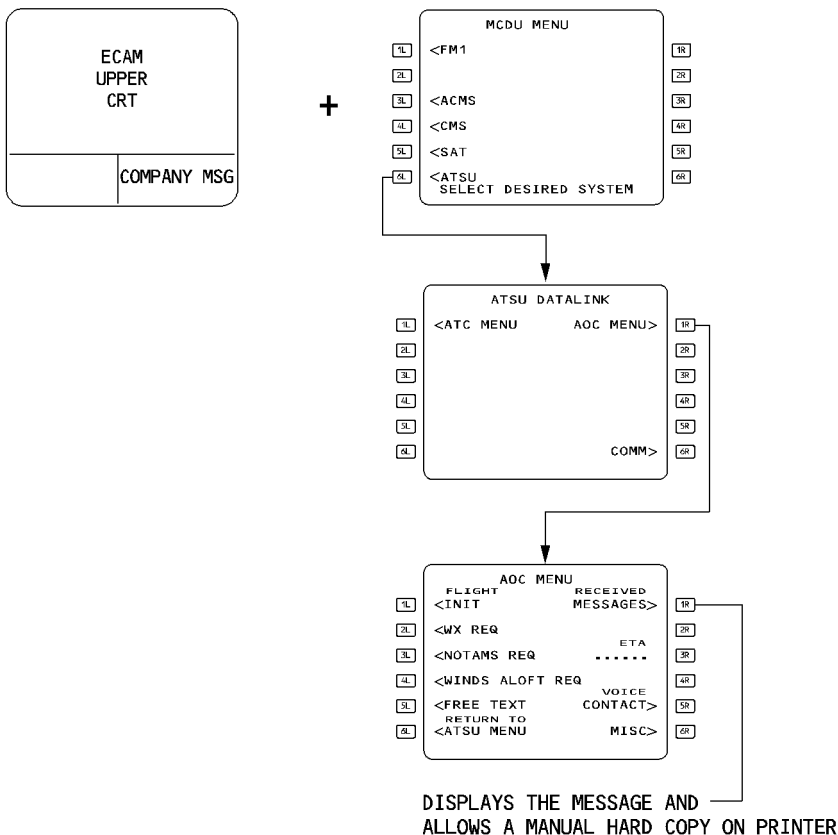
Messages are indicated (this does not include ATC messages) to the crew by :

- “COMPANY MSG” memo in green on ECAM memo, or
- “COMPANY ALERT” memo pulsing green on ECAM memo, or
- “COMPANY CALL” memo (in green) on ECAM memo, or
- MCDU MENU light illumination if the MCDU is not in the mode where the uplink message can be displayed, or
- Hard copy on cockpit printer depending on airline AOC programming.

Note : *A steady green “DATA LINK STBY” memo is displayed in case of communications loss between aircraft and ground.*

Depending on the memo displayed on ECAM the uplink message indications are available as in the following examples :

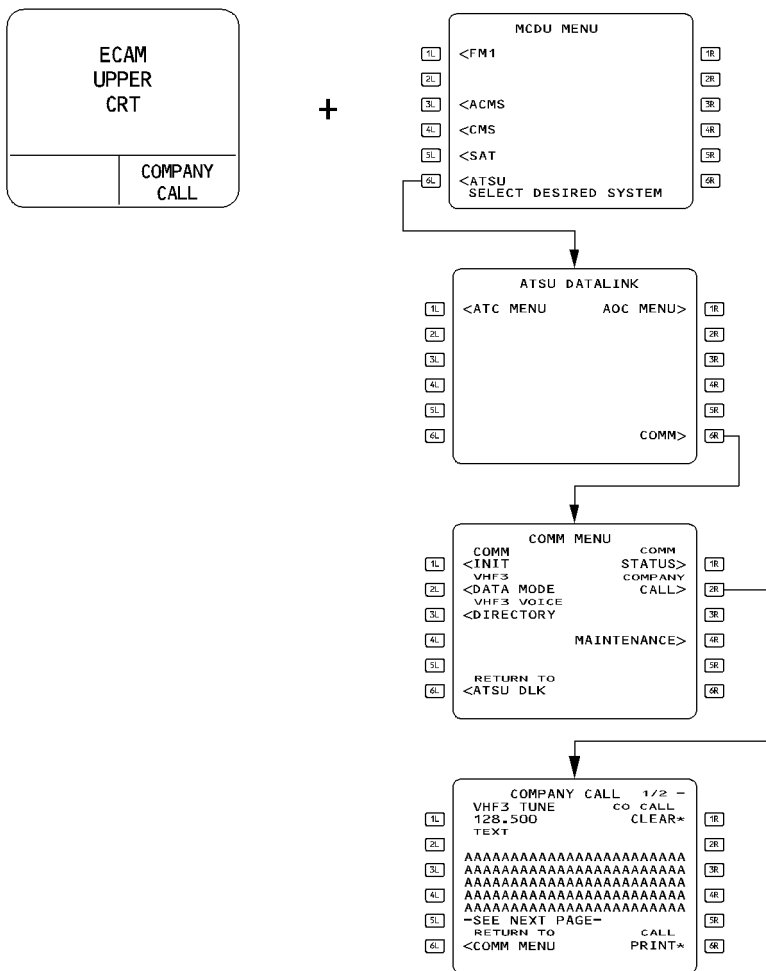
- For a "COMPANY MSG" or a "COMPANY ALERT" ECAM memo :



On the AOC MENU page, pressing the [1R] key displays the received message and clears the ECAM memo.

Note : AOC MENU page is customized according to the AOC programming.

- For a “COMPANY CALL” ECAM memo :



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On the COMPANY CALL MCDU page :

- pressing the [1R] key clears the COMPANY CALL memo.
- pressing the [1L] key clears the COMPANY CALL memo and activates the VHF voice frequency associated with the memo.

DATALINK/VOICE TRANSFER ON VHF3

VHF 3 can be used in voice mode in case of :

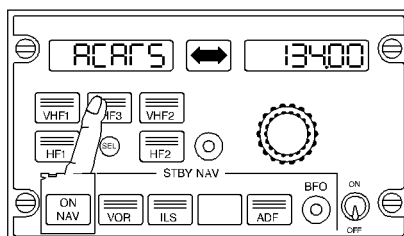
- VHF 1 or VHF 2 failure
- COMPANY CALL

The green “COMPANY CALL” memo indicates that a voice contact request has been received from the ground.

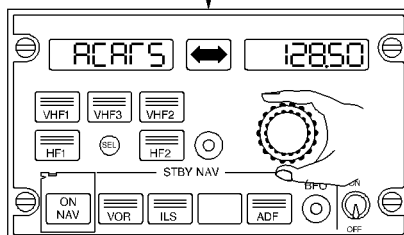
The green “VHF 3 VOICE” memo indicates that the VHF 3 transceiver operates in voice mode, therefore datalink communications are interrupted.

The voice frequency may be either tuned by the ATSU or tuned by the crew through the RMP. The DATALINK/VOICE transfer can be done either from any of the RMPs or from the ATSU through the VHF3 VOICE DIRECTORY MCDU page.

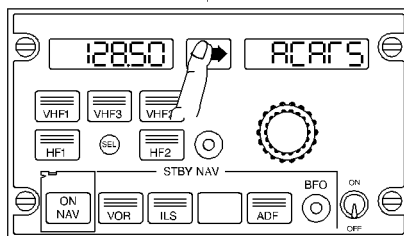
DATALINK/VOICE transfer from a RMP :



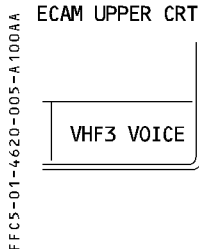
VHF3
SELECTION



FREQUENCY
SELECTION



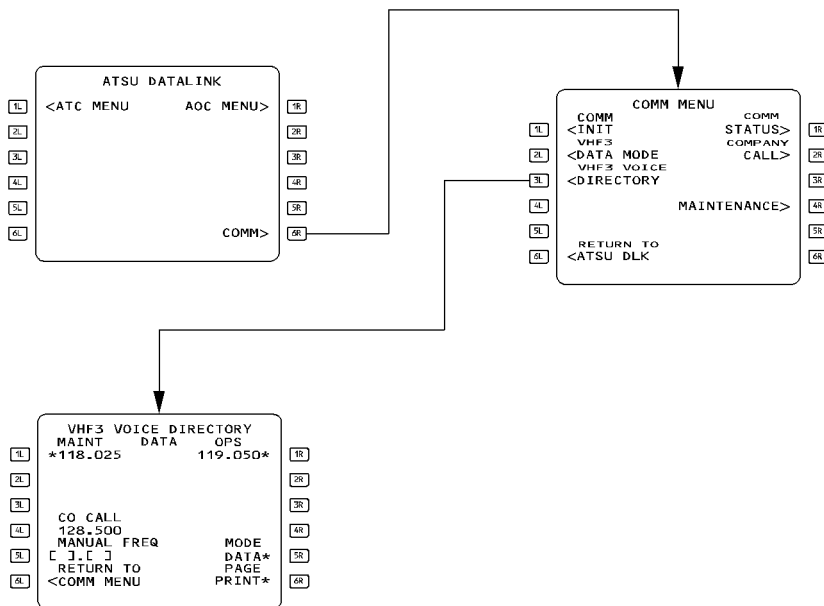
VOICE
MODE
SELECTION



Pressing again the transfer key on RMP returns to DATALINK mode.

. DATALINK/VOICE transfer from the ATSU through the VHF3 VOICE DIRECTORY page :

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On the VHF 3 VOICE DIRECTORY MCDU page :

- Fields [1L] to [3L] and [1R] to [3R] display the voice frequencies defined in the airline database. Pressing one of the adjacent keys activates the corresponding preselected voice frequency.
- Field [4L] displays the voice frequency provided in the last COMPANY CALL message. Pressing the adjacent key deletes the adjacent COMPANY CALL memo and activates the voice frequency.
- A voice frequency may be manually entered in the scratchpad. Pressing the [5L] key validates the entry and displays the entered frequency in this field. Pressing this key again activates the voice frequency.

Note : After the activation of the voice frequency, ACARS remains displayed in the active window of the RMP.

Pressing the [5R] key returns to DATALINK mode.

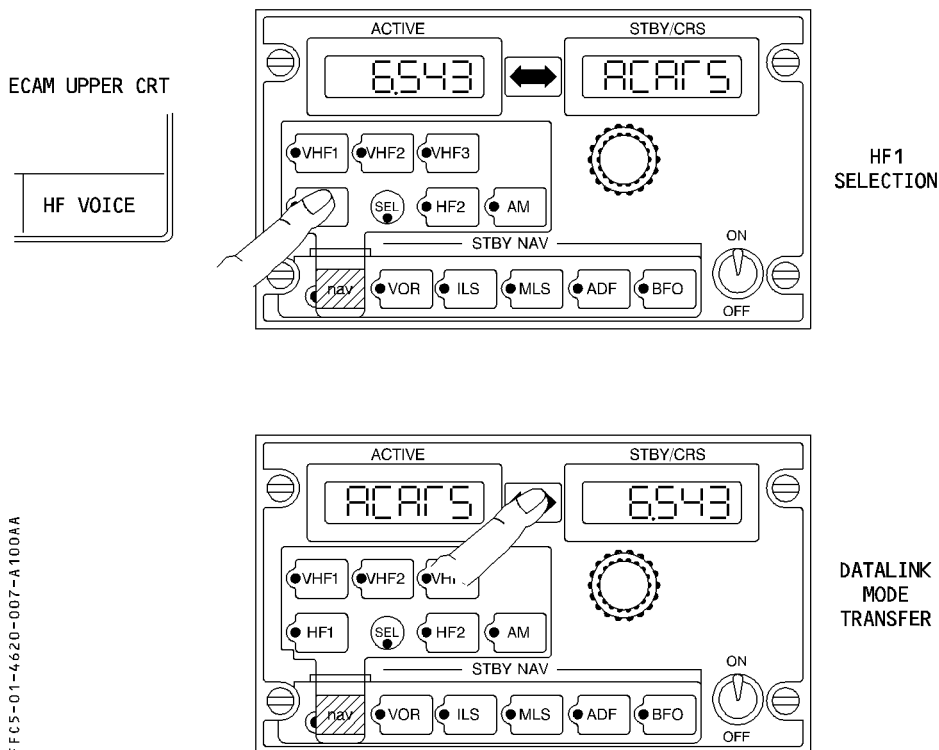
DATALINK/VOICE TRANSFER ON HF1

HF1 can also be used in data mode. It constitutes an alternative to VHF3 and SATCOM.

The datalink HF frequency tuning is automatically managed.

The green HF VOICE memo indicates that the HF transceiver operates in voice mode, therefore, datalink communications are interrupted.

The datalink/voice transfer can be done from any of the RMPs as follows :



Pressing the transfer key on the RMP again returns to voice mode.