

NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Alaska Airlines Flight 1282

Boeing 737-9, N704AL

Left Mid Exit Door Plug Separation in Portland, OR

January 5, 2024

<b>Docket No.</b>	<b>SA-543</b>
<b>EXHIBIT</b>	
21	

**Operational Factors Group  
Chairman's Factual Report -  
Attachment 8 - CBT Training Modules  
[Excerpts]  
(10 Pages)**

DCA24MA063

# **OPERATIONAL FACTORS**

Attachment 8

CBT Training Modules [Excerpts]

April 18, 2024

The following slides were provided by Alaska Airlines:

### 737-9 MAX Initial Familiarization CBT slide (at time of accident)



Figure 1. Relevant CBT slide prior to the accident.

## New 737-9 MAX System Airplane General CBT slides (postaccident)

The following slides will be included in initial ground school and captain upgrade training:

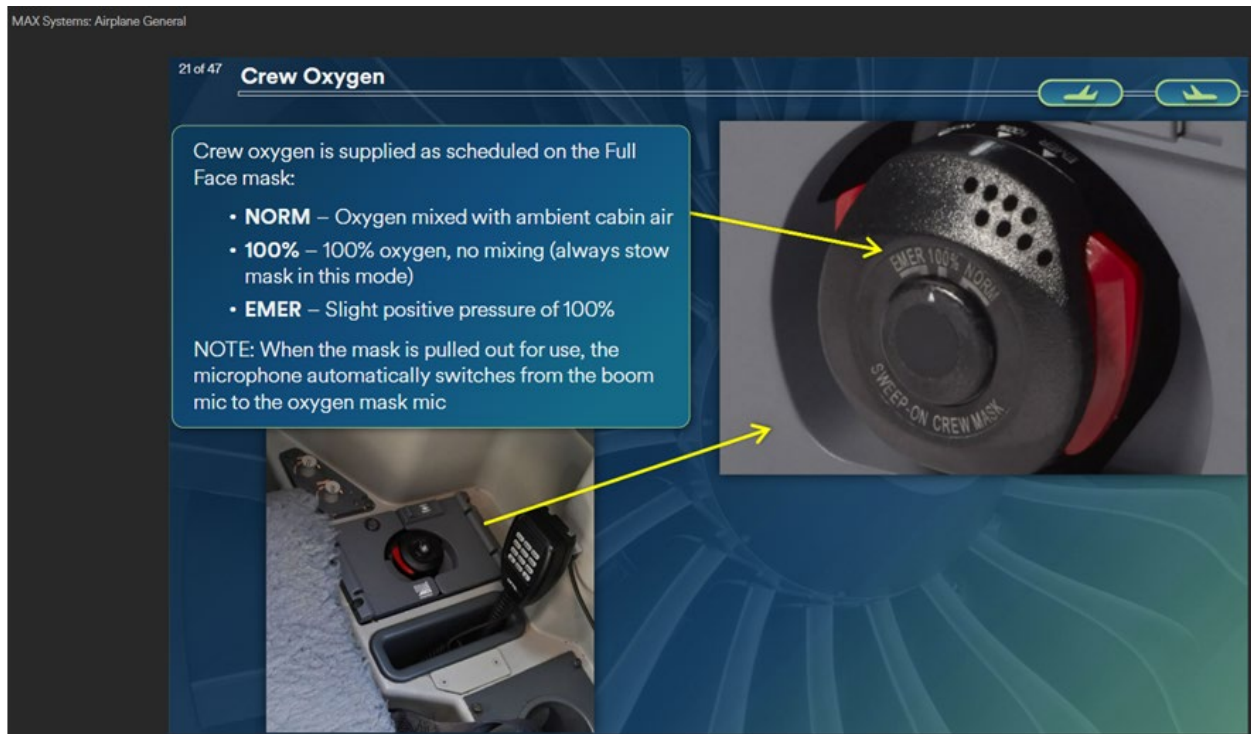


Figure 2. New 737-9 CBT slide

### Flight Crew Oxygen System

If a minor smoke event subsides and you stow the oxygen masks, how do you get the microphone back onto the boom microphone instead of the oxygen mask?

TAP to continue



Figure 3. New 737-9 CBT slide.

### Flight Crew Oxygen System

If a minor smoke event subsides and you stow the oxygen masks, how do you get the microphone back onto the boom microphone instead of the oxygen mask?

When the right stowage box door is closed, the **TEST/RESET** switch is actuated, and the **OXY ON** flag is no longer displayed, the mask microphone is deselected and the boom microphone is selected.

1. Close the stowage doors.
2. Press the **TEST RESET** switch  
NOTE: The Flow Indicator displays yellow and then disappears.
3. Ensure the **OXY ON** flag is no longer in view.



Figure 4. New 737-9 CBT slide.

### Flight Crew Oxygen System

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Figure 5. New 737-9 CBT slide.

### Flight Crew Oxygen System



If a minor smoke event subsides and you stow the oxygen masks, how do you get the microphone back onto the boom microphone instead of the oxygen mask?

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Figure 6. New 737-9 CBT slide.

# New CQ Quarter 2 CBT slides 2024 (postaccident)

2024 Q2 - Airplane General

## Flight Crew Oxygen System

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On the 8MAX & 9MAX ACP, there is no **MASK BOOM** switch. How does the transmitter switch to the mask microphone in a MAX?

The image shows two side-by-side views of an Aircraft Control Panel (ACP) for the Flight Crew Oxygen System. The left panel is labeled 'NG' and the right panel is labeled 'MAX'. The NG panel features a 'MIC SELECTOR' at the top with six buttons. Below it are several rows of buttons and knobs, including '1-VHF-2-VHF-3', 'SAT 1-HF-2', 'FLT-SVC-PA', '1-NAV-2', '1-ADF', 'INOP/MKR', 'SPKR', 'R/T I/C', 'MASK BOOM', 'V B R', and 'ALT NORM'. The 'MASK BOOM' knob is highlighted with a yellow circle, and a yellow arrow points from the text box above to it. The MAX panel features a similar layout but lacks the 'MASK BOOM' knob. It includes buttons for 'VHF1-VHF3', 'HF1-HF2', 'INT', 'CABIN', 'PA', '1-NAV-2', '1-A', 'INOP', 'MKR', 'SAT1', 'SAT2', and 'SPKR'. A yellow arrow also points from the text box to the 'INOP' knob on the MAX panel.

Figure 7. New CQ Quarter 2 CBT slide.



# Flight Crew Oxygen System

On the 8MAX & 9MAX ACP, there is no **MASK BOOM** switch. How does the transmitter switch to the mask microphone in a MAX?

The mask microphone is enabled automatically when the mask is removed from the Stowage Box.



Figure 8. New CQ Quarter 2 CBT slide.

### Flight Crew Oxygen System

If a minor smoke event subsides and you stow the oxygen masks, how do you get the microphone back onto the boom microphone instead of the oxygen mask?

TAP to continue



Figure 9. New CQ Quarter 2 CBT slide.

# Updated Instructors Guide



## REVISION SUMMARY

Date	Affected Page(s)	Summary of Change
April 2019	All	Mock 1 renovation; reorganize for clarity
Sep 2019	All	<ul style="list-style-type: none"><li>• New Maintenance Contractor</li><li>• New Equipment Cabinet</li><li>• Corrected Sharepoint URL for TREQ</li></ul>
04-12-2024	18	<ul style="list-style-type: none"><li>• Added verbiage on restoring boom mic in the MAX</li></ul>



8. Ensure Regulator Control Knob set to 100% and centered between stowage box doors.

9. Discuss with students about restoring Boom Mic communication in the MAX.

- Stow the Oxygen mask
- Close the stowage doors (specifically connected to the right stowage door)
- Press the TEST/RESET switch
- Ensure the OXY ON flag is not showing

**Figure 10. Updated Instructors Guide.**