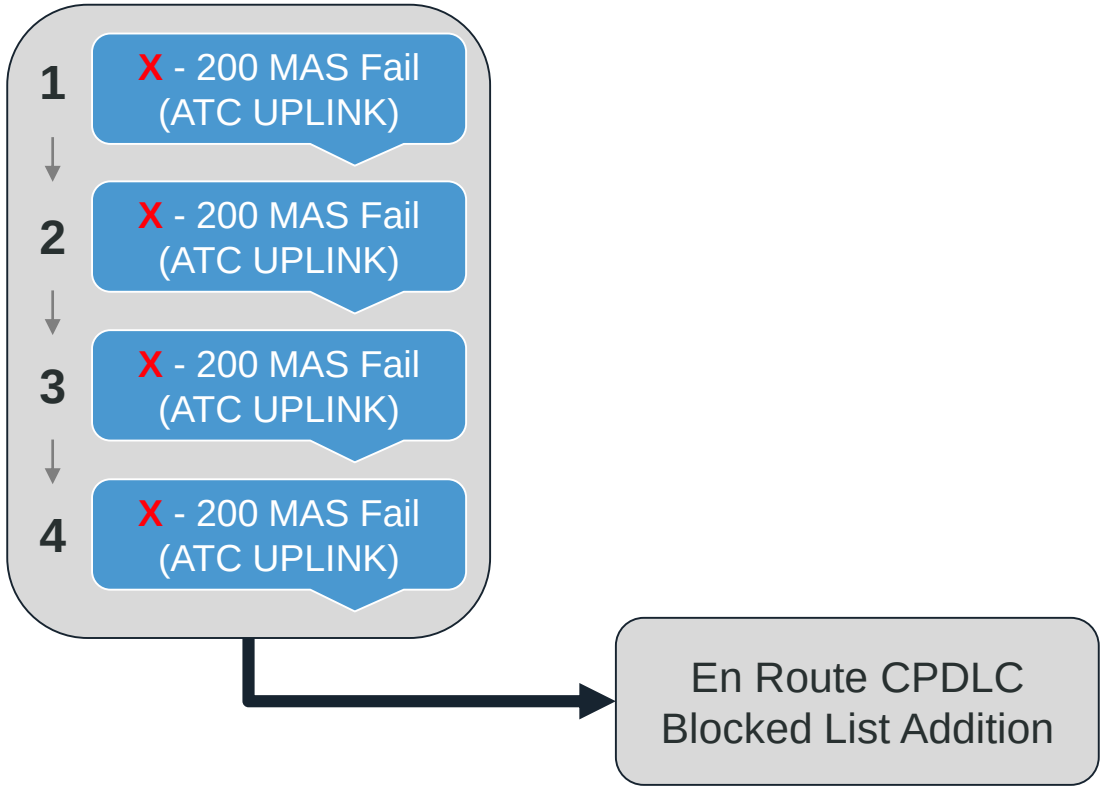
L3HARRIS
FAST. FORWARD.

AUTOMATED BLOCKED LIST OVERVIEW

Use of U.S. DoD visual information does not imply or constitute DoD endorsement.

Automated Blocked List Overview

- Certain situations may arise within the CPDLC system that necessitate the need to block an aircraft from being able to establish an en route CPDLC session
- Aircraft that experience four consecutive message assurance failures (MAS failure) during a en route CPDLC session:
  - The flight will be automatically added to the FAA blocked list
  - The current CPDLC session will be terminated
  - Note: Once added to the FAA blocked list, an aircraft must be manually removed from the blocked list before they are able to establish an en route CPDLC session
- L3Harris has developed two tools that allow for:
  - The affected operator to be notified of a blocked list addition
  - An automatic request for removal when the known reason for blocking was alternate media, and the aircraft has returned to the appropriate media (VDLM2)



Note: The blocked list only applies to establishing a session in en route CPDLC operations

Automated operator notification solution

1. X - 200 MAS Fail (ATC UPLINK)
2. X - 200 MAS Fail (ATC UPLINK)
3. X - 200 MAS Fail (ATC UPLINK)
4. X - 200 MAS Fail (ATC UPLINK)

Crews will receive an end service / ATC COMM TERMINATED when added to the blocked list mid flight

24/7 Automated Process

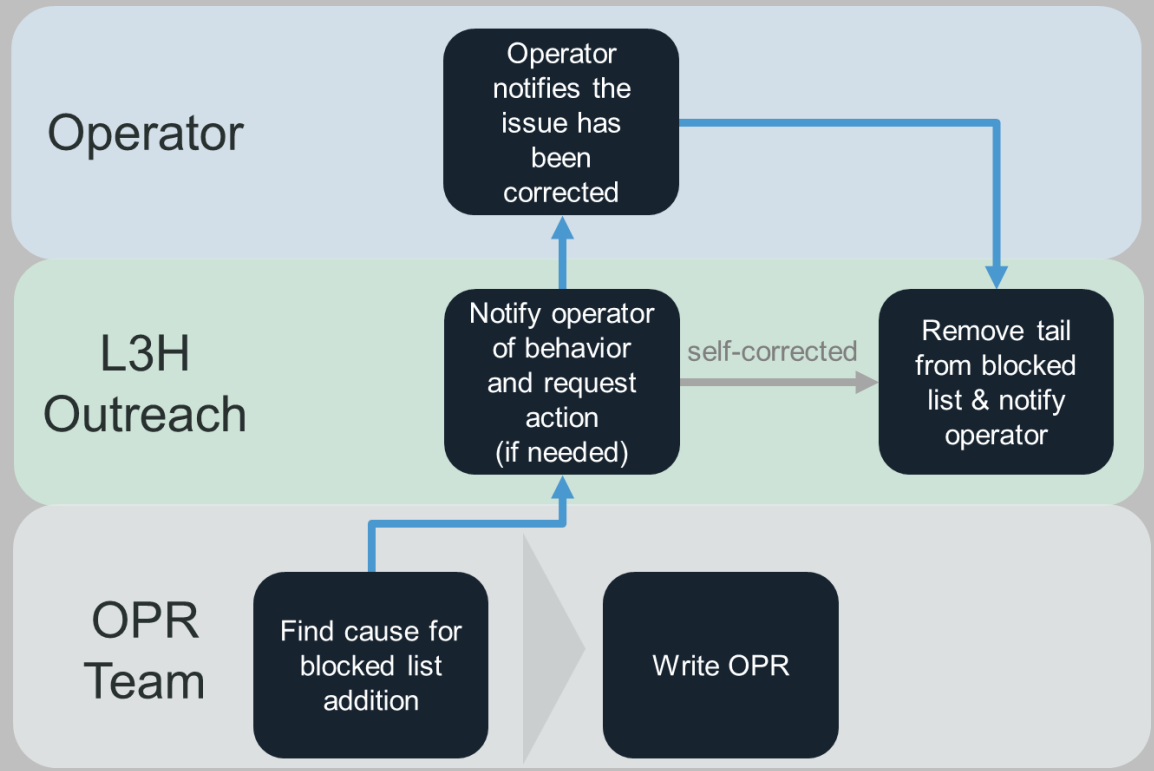
L3H Automated Email

TO: Affected Operator
CC: L3H Team

NXXXXX has been added to the blocked list due to 4 consecutive unsuccessful ATC-initiated uplinks (MAS Failures)

This keeps the operator aware of blocked list action to prevent unnecessary maintenance action

Business Hours – Manual Process



Most automatic blocked list additions will be due to alternate media usage which usually self-corrects and requires no maintenance/operator action

Automated blocked list removal for alternate media

1. X - 200 MAS Fail (ATC UPLINK)
2. X - 200 MAS Fail (ATC UPLINK)
3. X - 200 MAS Fail (ATC UPLINK)
4. X - 200 MAS Fail (ATC UPLINK)

Crews will receive an end service / ATC COMM TERMINATED when added to the blocked list mid flight

24/7 Automated Process

Notification

L3H Automated Email

TO: Affected Operator
CC: L3H Team

NXXXXX has been added to the blocked list due to 4 consecutive unsuccessful ATC-initiated uplinks (MAS Failures)

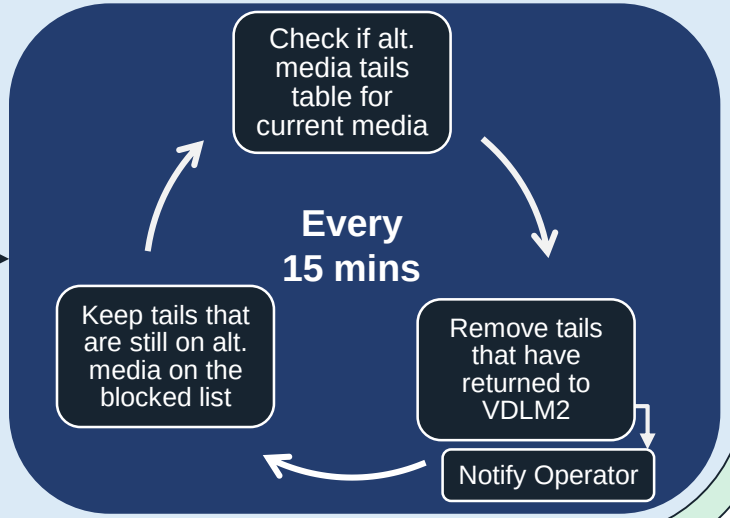
This keeps the operator aware of blocked list action to prevent unnecessary maintenance action

Automated Blocked List Removal

Most automatic blocked list additions will be due to alternate media usage which usually self-corrects and requires no maintenance/operator action

Determine MAS Fails were due to alternate media

Add tail to alternate media check list



L3HARRIS