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Subject Blu-ray: explanation of AACS encryption warning message

ATA Chapter 44

Aircraft Type na

Applicability BDP3009-00x-00x, Blu-ray Player. S/N: all

References na

Additional distribution Bombardier, LearJet

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Subject Blu-ray: explanation of AACS encryption warning message

1. Purpose

The purpose of this Service Information Letter is to provide technical background on this issue and to inform users about how to proceed when following warning is displayed from one of the Blu-ray Players listed under Applicability.



Figure 1: AACS warning message

2. Background

The Advanced Access Content System (AACS) is a standard for content distribution and digital rights management used on Blu-ray Discs (BD). It is managed by the AACS Licensing Administrator (AACS LA), a consortium of Hollywood studios and hardware manufacturers.

A Blu-ray Disc is an encrypted media and is -in a very simplified manner- decrypted using a key stored on the Blu-ray Disc (Media Key Block, MKB) and another key which comes from the Blu-ray player (device key).

This second key (device key) stored in the Blu-ray player will work with MKBs from newer Blu-ray discs as long as the AACS LA deems it fit. At any time, the AACS LA can decide to issue new discs with an MKB which is not compatible with a given set of device keys. If the device key installed in your Blu-ray player belongs to one of these sets, it won't be able to play new discs. In this case, a software update for the Blu-ray player will be needed to get a new device key which is compatible with MKBs of new Blu-ray Discs.

This situation can arise especially if new blockbusters are played in a Blu-ray player with old software. The older the software, the more likely it will be for this situation to happen.

This behaviour is part of the Blu-ray standard and does not represent a system malfunction or a design deficiency.

3. Description

Figure 1: AACS warning *message* shown above has been reported to be displayed when trying to play a recently issued blockbuster.

This behaviour corresponds to the one described under Background and requires a software update of the Blu-ray player in order to play this disc and newer ones.

4. How to proceed

Although a Blu-ray player affected by this behaviour needs a software update to play new discs, this cannot be performed following the instructions shown in Figure 1: AACS warning *message*.

Customers and operators are therefore requested not to follow the link shown in Figure 1.

Lufthansa Technik is working on a solution and will issue a new Service Information Letter describing how to proceed as soon as the best solution has been identified.