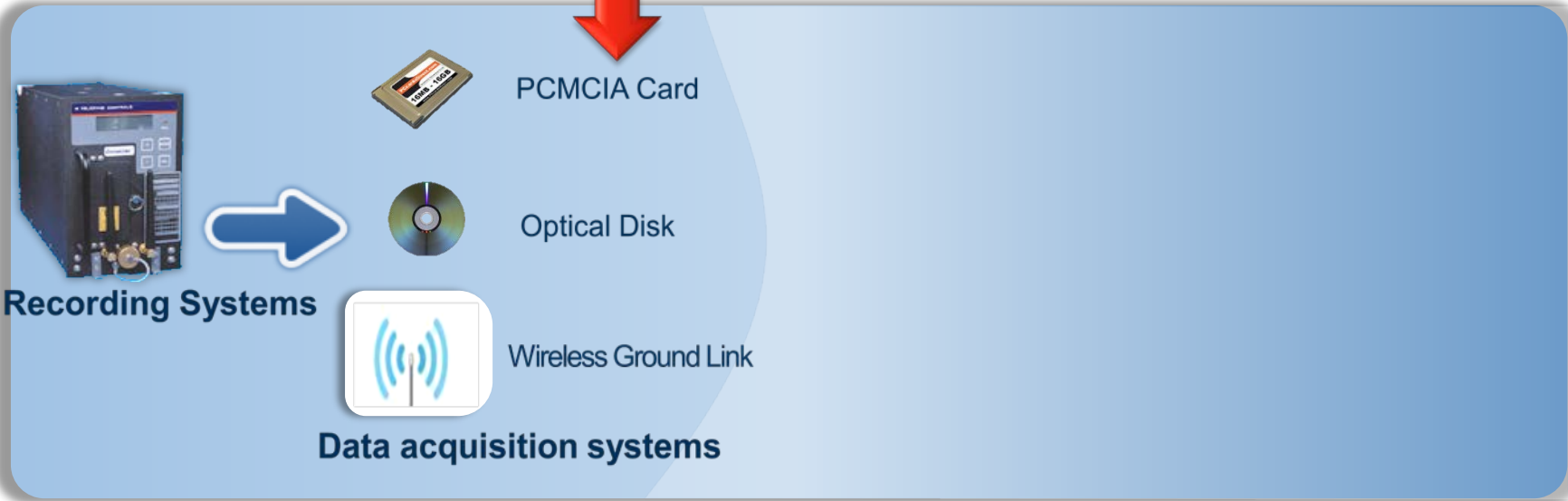
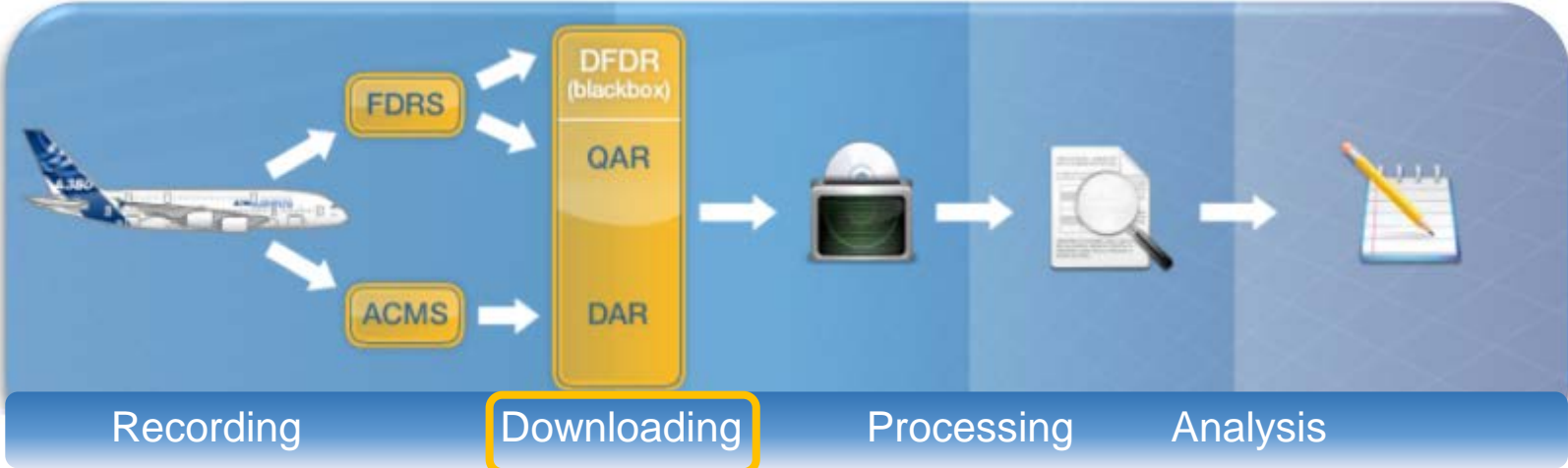


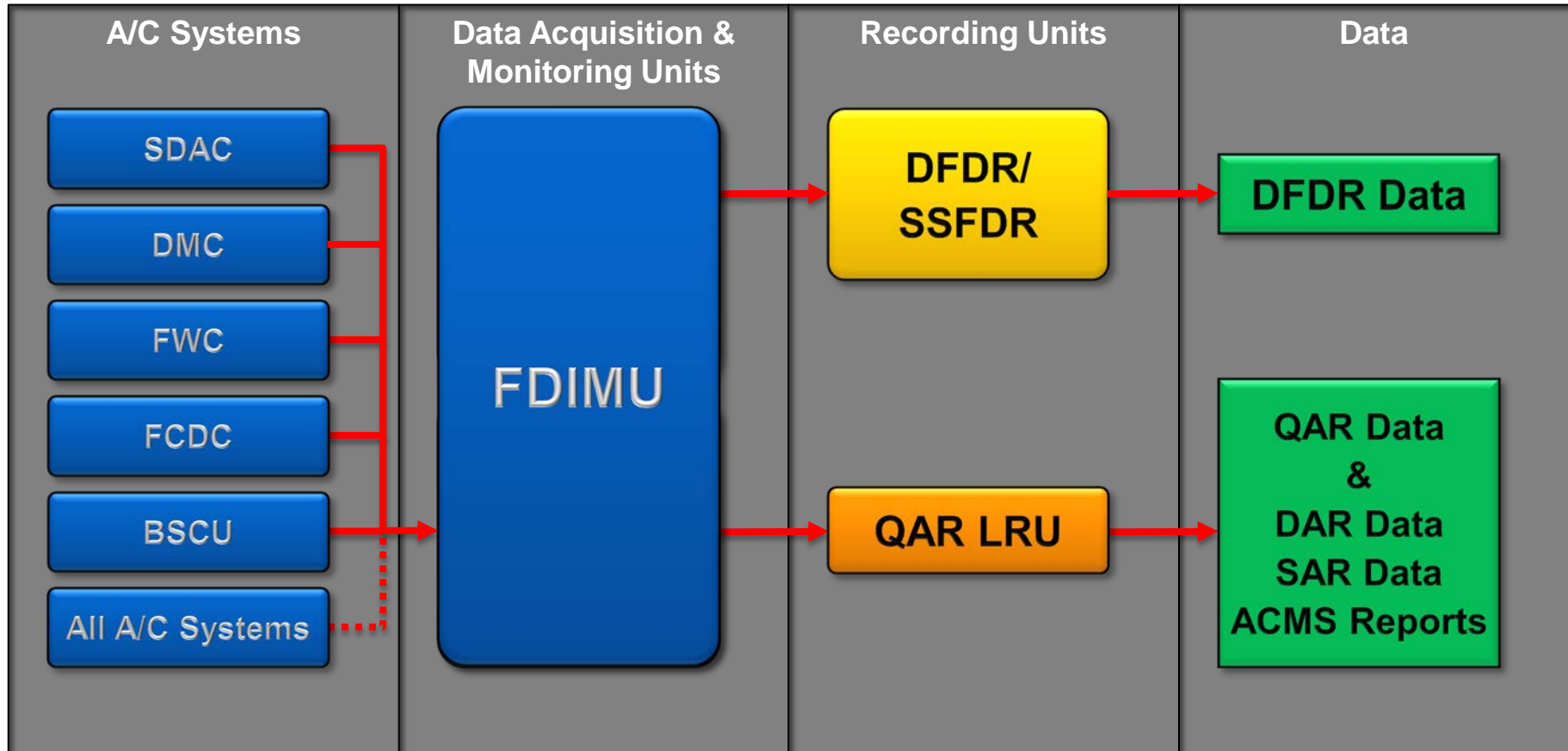
Lima FDA Seminar
Presented by Paul DUBOIS
AIRBUS - Airline SMS & FDA Assistance

DOWNLOADING

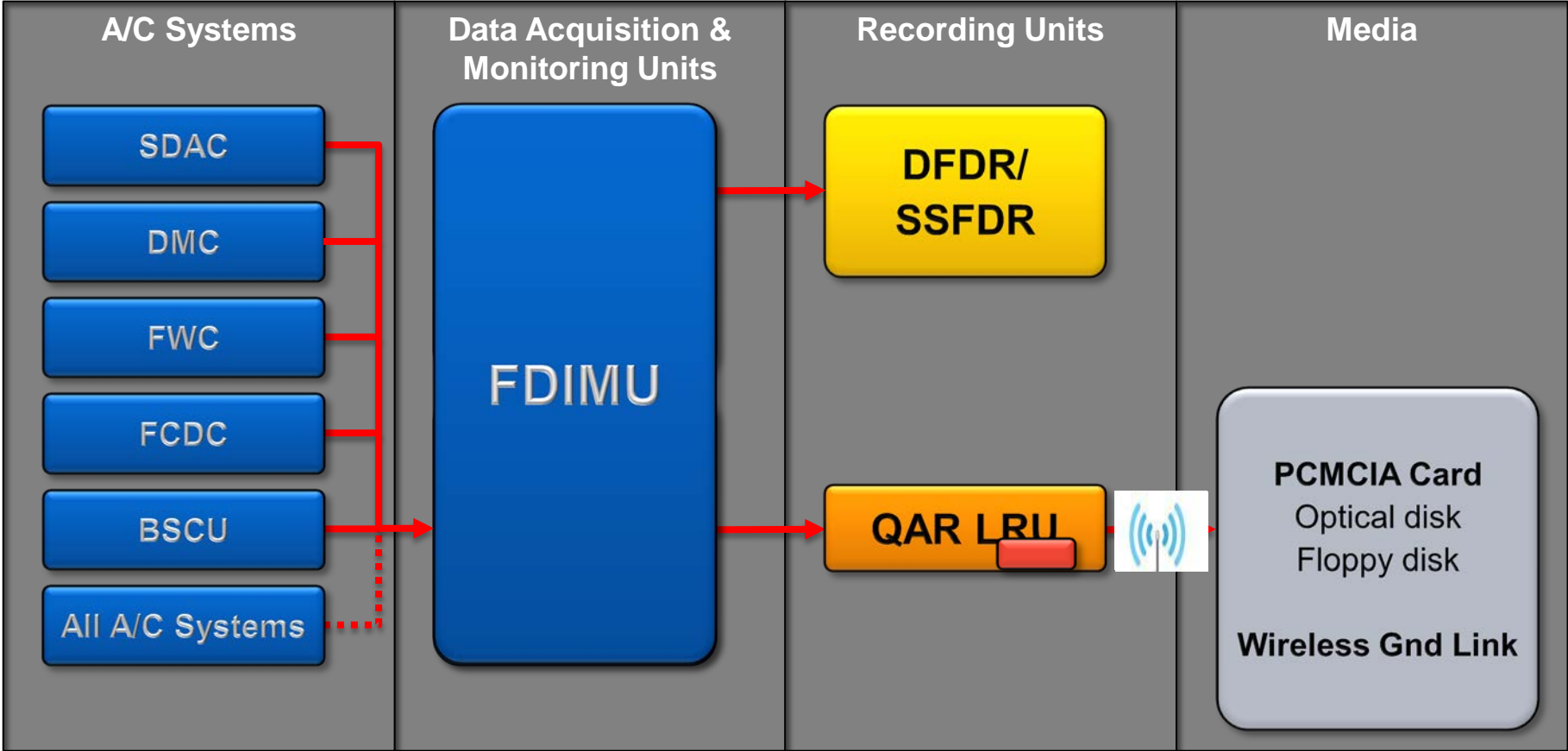
Downloading - How to collect the Data?



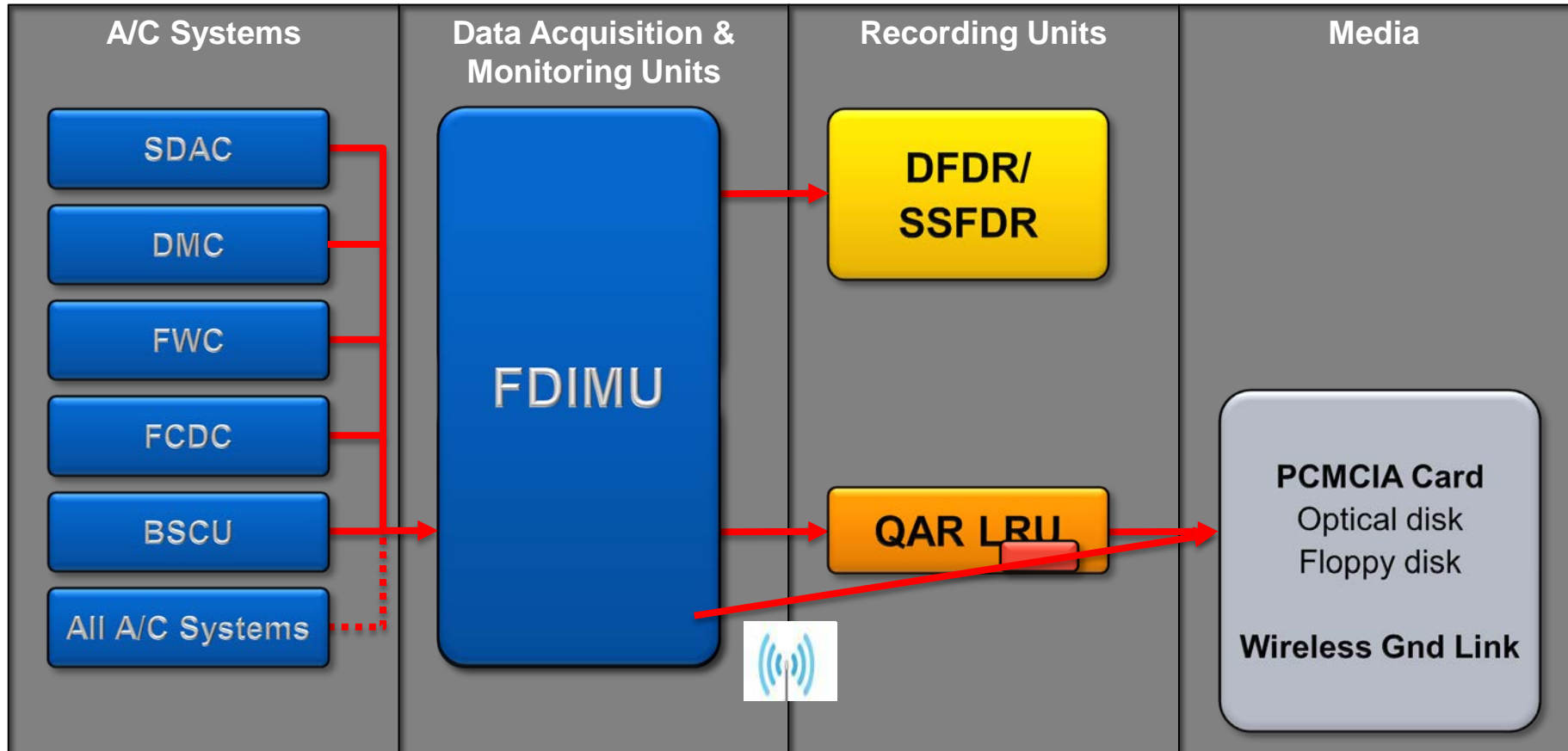
Downloading - How to collect the Data?



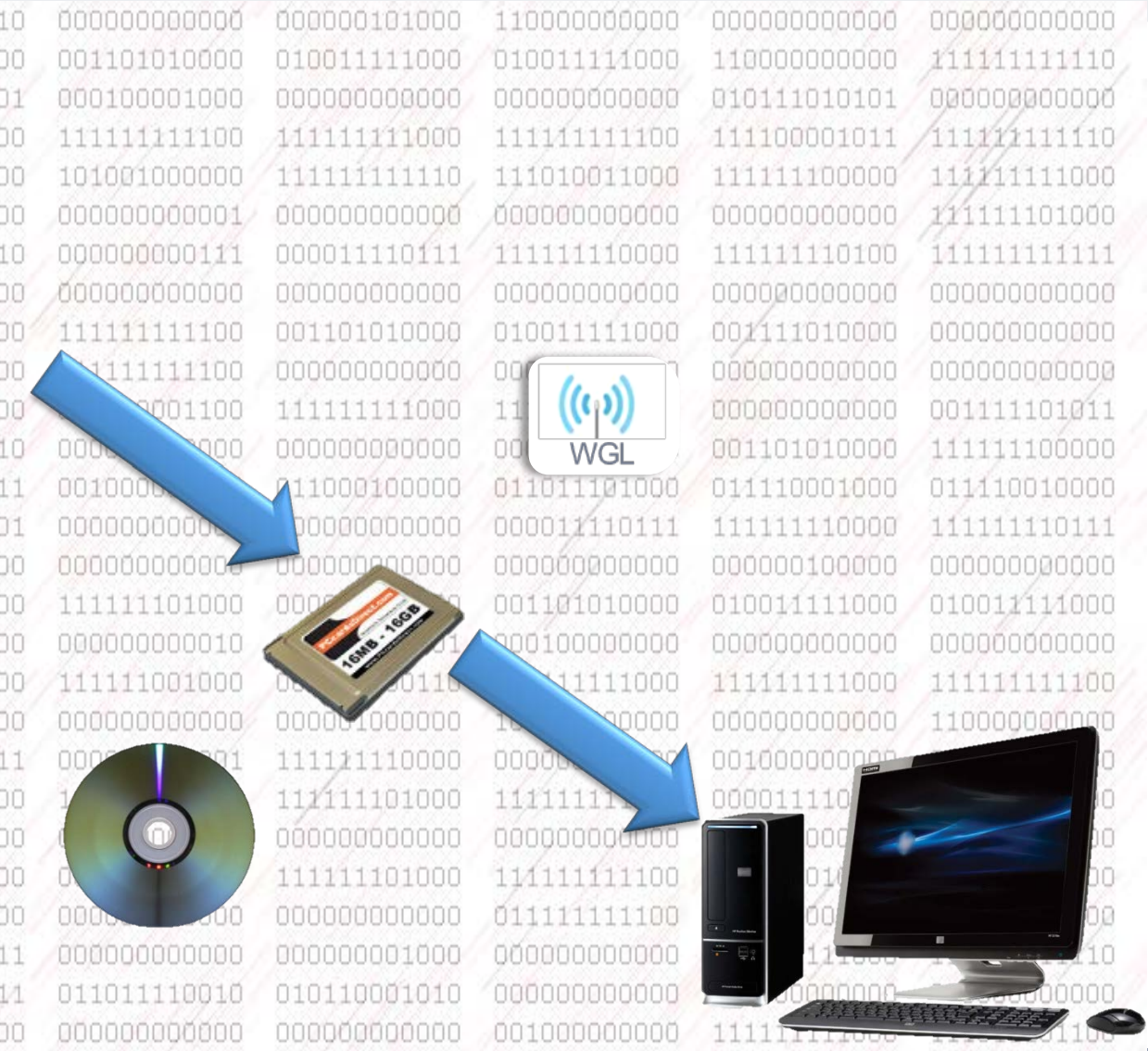
Downloading - How to collect the Data?



Downloading - How to collect the Data?



Downloading - How to collect the Data?



Downloading - How to collect the Data?



: **Wireless GroundLink® system**

Automatic wireless transfer of the recorded data when the aircraft is on ground shortly after landing via cellular/ PCS phone communication means and via internet network up to the ground base station computer for data processing.

A procedure to recover the data in case of a failure of the system should be defined.

Downloading - How to collect the Data?

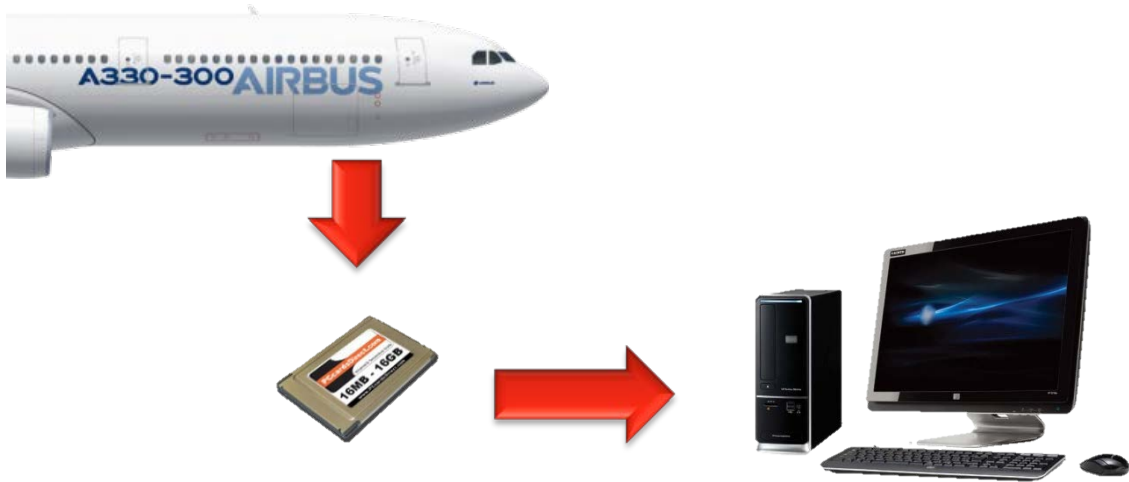


A policy to recover the data has to be put in place within the maintenance and/or flight safety department taking into account the recording capacity of each media.

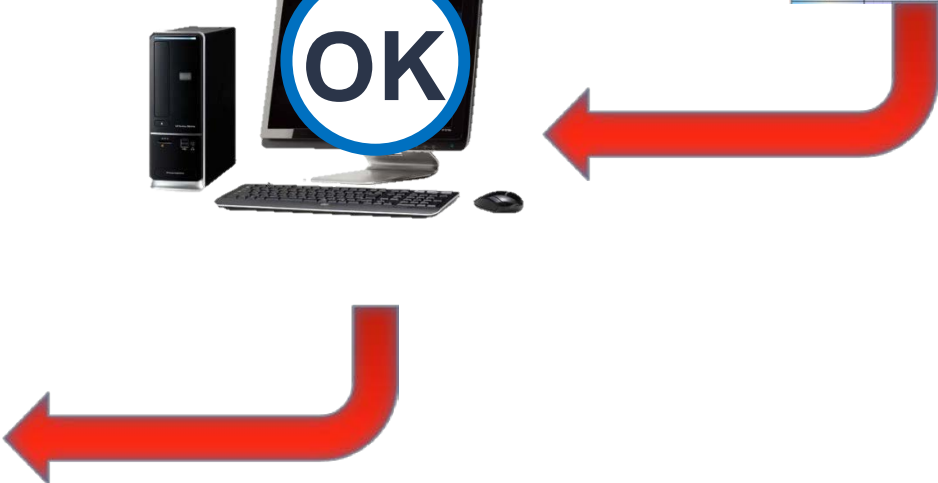
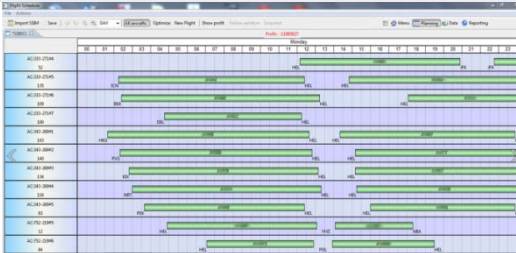


The procedure should also consider the limited read/write cycle of these media.

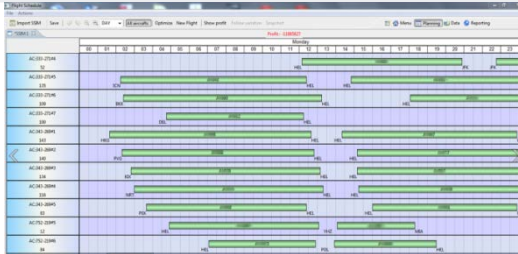
Downloading - How to collect the Data?



Downloading - How to collect the Data?

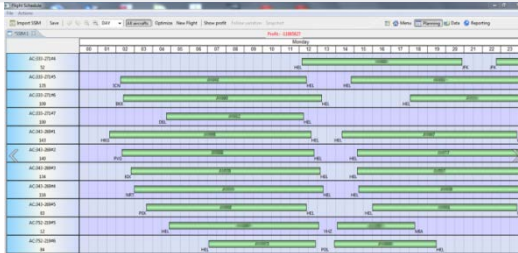


Downloading - How to collect the Data?



Request for Remedial Action

Downloading - How to collect the Data?



Maintenance Action

Downloading - BEST PRACTICES

The data recovery process should be secured through a useful and understood procedure in order to minimize:

- ➔ The amount of lost data
- ➔ The waiting period before processing

Downloading - BEST PRACTICES

A technical log should be established with:

- ➔ Disc or Card identification (date in/out , aircraft MSN...)
- ➔ The number of retrieved flights
- ➔ The status of cards or disks
- ➔ **And don't forget to format them before putting them back on board**

One of the global indicator of the overall recorder Download Process quality is to compare the **number of recorded flights** to the **number of operated flights** per month.

For Data Recovery reliability



Automated wireless downloading system

- ➔ It guarantees a high rate of downloaded flights by avoiding overloaded memories and thus partial loss of flight data
- ➔ Less disk or card technical problems
- ➔ No delay
so analysis process shortened and efficiency improved
- ➔ Less manpower

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