FDR Data

CVR Data

DLR Data

AIR Data

Functional Block 1 - Data Collection

Collect the required data sets from the aircraft data sources and store it in preparation for transporting it off the aircraft.

Functional Block 2 - Initiate Data Transport

Detect a condition to start transporting data off the aircraft via transmission or deployment of storage module

Functional Block 3 – Data Transport

Move the collected data off the aircraft so that it can be recovered without the need to access the aircraft wreckage.

Functional Block 4 – Off-Aircraft Storage

Store the data after it has been transported off the aircraft with the required access restrictions.

Functional Block 5 – Data Recovery

Retrieve the data from the off-aircraft storage location and make it available to the users.

Functional Block 6* – Locate end of Flight

Optionally a TFRD solution can provide localization information for the end of flight.

Analytical Tools /
Replay Software
(Accident Investigators
& Airline Operators)