

**BAGGAGE RECONCILIATION SYSTEM – BARCO**





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## Efficient baggage logistics and increased safety

The system, Baggage Reconciliation, BARCO, optimises baggage handling and ensures its efficiency. BARCO is a flexible and efficient tool that can be used in everyday work by employees dealing with baggage sorting and by logistics managers.

There are many advantages:

- Better overview and improved baggage logistics
- Track 'n' Trace features
- Baggage/flight match and baggage clearing
- Increased safety
- Fewer errors
- Quick handling

At the same time, BARCO is a simple and user-friendly system for everyone's use that monitors, controls and loads baggage – from check-in to departure.

## BARCO modules

The BARCO system consists of five modules: Sort, Match, Transfer, Overview and Web – each with their particular advantages and features.

### • Sort – approval of baggage for flight

The module Sort clears the baggage before it is loaded onto the airplane. In practice, what happens is that an employee scans a baggage label. Then BARCO gives the employee an OK signal or a warning that the baggage must be removed.

The baggage will not be cleared for flight if it doesn't match with the airplane, if the person who owns the baggage will not be on the airplane or if the ownership of the baggage is unknown.



*The BARCO system is based on something so fundamental in the aviation business as bar codes.*

BARCO is able to offer the Track 'n' Trace feature since the module Sort also registers what container the baggage has been placed in.

### • Match – matches baggage with flight

The module Match is used in particular 1) when the baggage has to be distributed to different flights from one location, 2) in flights with few pax or 3) for Odd Size baggage.

When an employee scans baggage with Match, he will either receive an OK signal as well as information about the flight and time of departure, or he will receive a warning saying that the baggage must not be loaded.

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#### • **Transfer – logistics and overview**

The module Transfer is primarily intended for use with transfer baggage: which suitcases must continue in transit - and with which flight?

BARCO gives detailed information about the belonging and the travelling history of the baggage and the chance to locate the baggage using the Track 'n' Trace facilities.

It is possible to see the status for each individual flight: how much baggage has been scanned and distributed, and how much has not yet been completed?

#### • **Overview – back-end administration**

The module Overview shows you the status of each individual flight and gives you data about the baggage and the passenger and information about the location of the baggage – all in real time.

By use of this module, you can create users, super users, administrators and super administrators with different rights in BARCO.

Overview is also used to create and connect handling agents and airlines in BARCO and to link them with each other.

#### • **Web – Business Intelligence**

With its user-friendly interface, the module Web comprises the statistical part of the BARCO system. The module collects production data and makes it possible to conduct follow-ups, for instance a baggage statistics on a yearly, monthly, weekly and daily basis and according to station, flight number and location.



*The BARCO system makes sure that the baggage is placed on the same flight as the owner.*

#### **Handling agents and airlines**

BARCO is able to manage several handling agents and airlines at one time. However, the persons and companies involved do not have access to each other's data in BARCO.

#### **Technology**

The application has been developed using the platforms Windows and .NET Framework version 1.1, and today it is used with Windows XP, Windows 2000, Citrix and SITA Cute/NT. Oracle is the chosen database server.