

## Outstanding traffic and load data collection system

CASTOR is a powerful traffic/load data collection and decoding system that enables airlines and handling companies to receive, modify and validate all flights traffic and load information through a simple and user-friendly client interface.

These data come both from airlines hosts (IATA messages) and Airport Information System (reference data, information about recorded flights) .

### A smart data matching

Thanks to its algorithmic processing ability, based on a powerful heurism, CASTOR draws deciphering rules and thus decodes IATA messages. Then it automatically matches them with flights data issued by the Airport Information System in an optimum way, avoiding many errors linked to manual input.

Those matched data are complemented and modified, if need be, by airlines and/or handling companies. Once validated, they are transferred to the airport under the shape of Traffic Forms.

### Checks on errors and modifications

The airport checks the information received from the airlines/handling companies (the modifications are automatically flagged). Besides, CASTOR automatically controls the coherence of the information (empty fields, gaps between loads and loading capacity of the aircrafts, etc.) before sending them definitively to the billing system. The airport invoicing service benefits from automation and reliability. Data are indeed highly comprehensive. On top of that, they have been validated by the airlines themselves so that they are unlikely to object to later invoices.

### Sharper statistics

This bulk of highly comprehensive, relevant and validated data perfectly suits the exacting requirements of airlines, handling companies and civil aviation in the field of statistics.

### Perfect control of the circuit

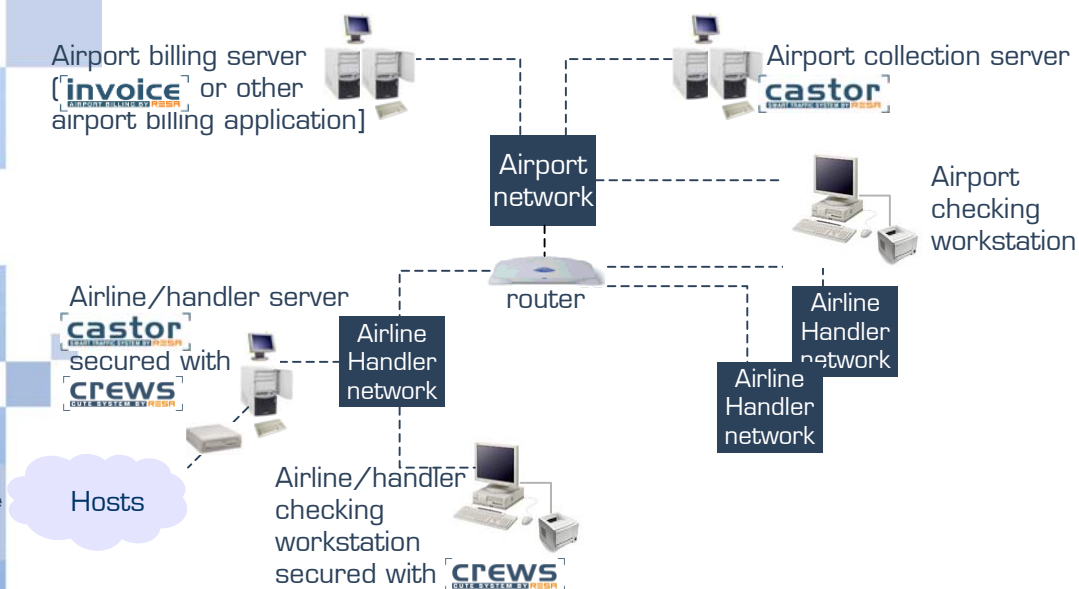
The information circuit managed by CASTOR enables the airlines and the handling companies to filter and retain the information they consider confidential and to keep the information exchange system under control.

CASTOR is the result of a common research between RESA and the Aéroports de Paris (ADP) and provides many benefits to airports and to airlines/handling companies:

- automatic collection of traffic messages,
- automatic matching of the whole flights information,
- easy and rapid completion,
- control of the information circuit,
- accurate and relevant invoicing,
- fine statistics,
- ergonomic tools.

## Architecture and features

### Functional architecture



CASTOR perfectly fits the range of software developed by RESA.

In order to ensure a secured access to the data, CASTOR can be integrated into CREWS system which will manage the access rights of its users and will prevent all unauthorized accesses to the airline/handler workstations (workstations provided by the airport and containing confidential data).

### Traffic and load messages managed by CASTOR

≡ As far as the airports are concerned, CASTOR collection server enables the billing system to send to the airline or handling company the following information:

- reference data (airlines codes, stopover codes, aircrafts codes, noise, etc.),
- D+1 flights information complemented beforehand (track hour, parking, check-in desks/boarding gates, belts, etc.).

≡ As far as the airlines/handling companies are concerned, CASTOR collection server enables to collect IATA messages and comparable messages (ICL) corresponding to the flights:

- movement messages (MVT),
- load messages (LDM),
- statistical load summary messages (SLS),
- passenger transfer messages (PTM),
- inbound connection passengers lists (ICL),
- etc.

Do not hesitate to contact us and ask for the detailed documentation about CASTOR.