

# TPAC Scheduler

TPAC Scheduler is an advanced system for generating, optimising and maintaining airline schedules.

## Capabilities

TPAC Scheduler is an integrated system for producing schedules that deliver business requirements at minimum cost and maximum reliability.

The key elements of the system are:

**Schedule generation** This creates a schedule based on passenger numbers, routes, fleet capacity, and codeshares. Fleet utilisation and other KPI's are calculated.

**Schedule tuning** The schedule can be fine-tuned to improve performance. What-if analysis and comparisons with competitor schedules is supported.

**Publishing** When complete the schedule can be published to operations control and other systems such as reservations and crewing.

**Changes manager** This module deals with ongoing changes, what-if analysis and publishing changes. It can take in to account current tail assignments and maintenance commitments.

**Optimisation** The system has optimisation features that maximise fleet and crew utilization. This results in a lowest cost schedule measured by:

- ➔ Maintenance cost
- ➔ Crew cost
- ➔ Operating cost

## Integration

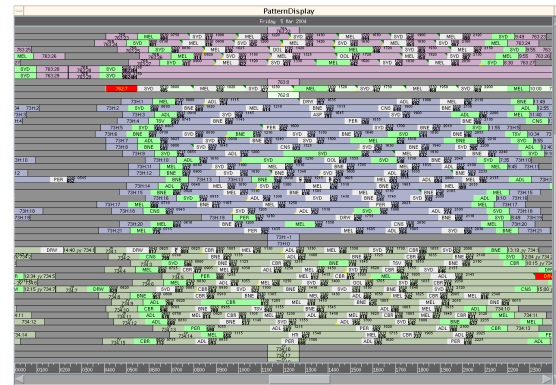
TPAC Scheduler integrates easily with others systems including operations control, crewing and reservations.

## Benefits

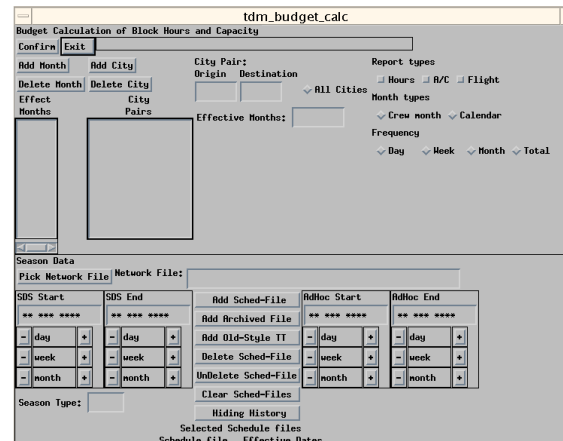
Existing customers have identified the following benefits:

- ➔ Schedules can be generated quickly and easily
- ➔ What-if capability makes it is easy to check schedules against constraints and for expected KPI's
- ➔ Changes are easily effected, checked and implemented
- ➔ Significant cost savings can be made in terms of maintenance, crew and operating costs

## Typical timetable



## KPI calculations



## Schedule Publishing

