

TPAC ManPower Planning

TPAC MPP is a sophisticated Manpower Planning Tool that is primarily targeted at the Airline business model.

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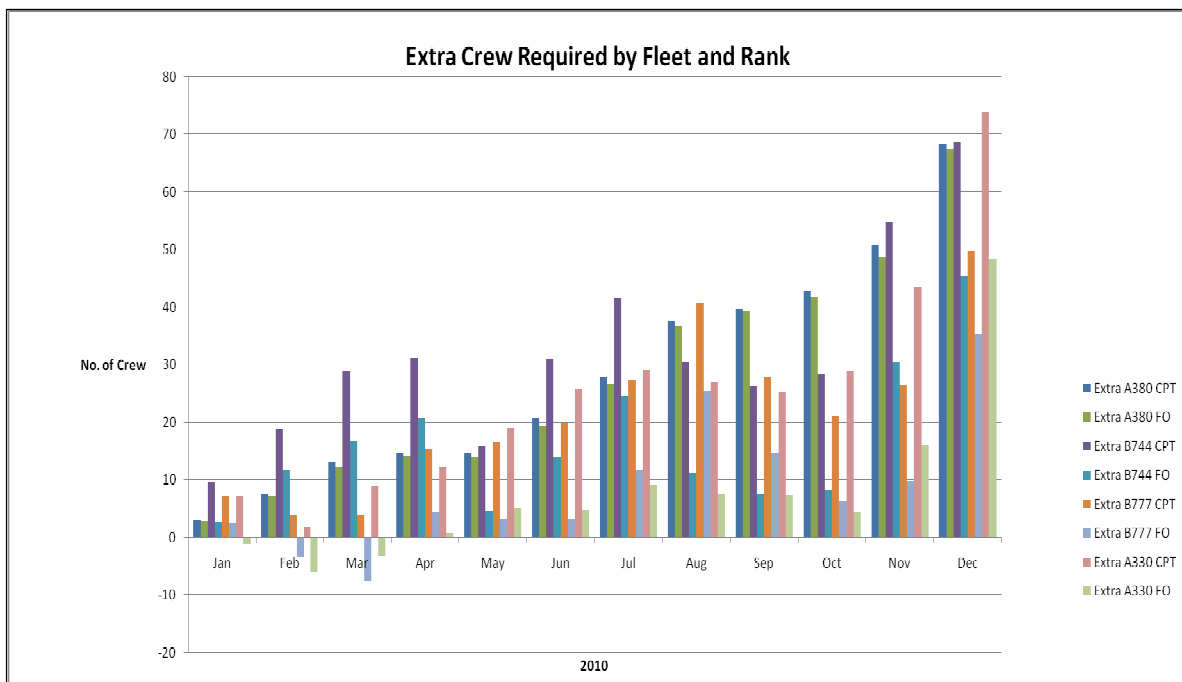
TPAC MPP is able to base its manpower calculations on long term statistical projections or on more precise pairing based information for the one year timescale.

All parameters for manpower planning are stored in the TPAC Rules Repository. By linking with this TPAC MPP is able to generate plans based upon the same rule set scenarios used to generate the pairing solutions.

This integration ensures that both production and 'what if?' manpower plans are consistent with the pairing solution and that all legal and company rules have been taken into consideration when assessing crew strength requirements.

Additional Crew Required by Fleet and Rank

The graph below is an example of the kind of analysis that TPAC MPP provides. This graph displays the variance between actual crew and crew required by fleet type and rank. Positive numbers reflect the need to have additional crew allocated to the aircraft type and crew category whilst negative numbers reflect an over supply for the type and rank for the particular period. The graph greatly assists in assessing the situation before embarking on rigorous training and recruitment program.



Planning Analysis

The analytical features of TPAC MPP include:

- ➔ Aircraft Fleet Charts
- ➔ Current Crew Strength
- ➔ Required Crew Strength
- ➔ Comparison of Required Vs. Current Crew Strength
- ➔ Additional Crew Required
- ➔ Annual Flying Hours by Fleet
- ➔ Anticipated Leave Entitlement Slots
- ➔ Fleet Acquisition Plan
- ➔ Aircraft type utilisation by month
- ➔ Crew monthly planned flight hours by rank
- ➔ Reserve requirement
- ➔ Retirements/Resignations
- ➔ Known Unavailability - Sick leave, maternity leave
- ➔ Annual leave slots by fleet type and rank