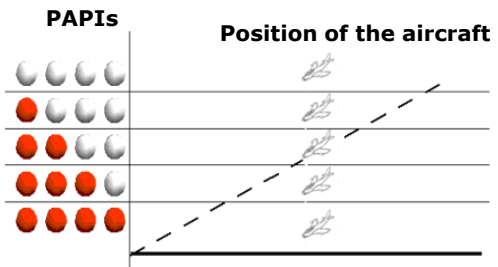


PAC π Innovative system for high precision PAPI Alignment

PAPI Description

The PAPI (Precision Approach Path Indicator) system provides the pilot a positive indication of the aircraft's position relative to the optimal glide slope during final approach to the runway, even in case of airports equipped with ILS.



BASIC REQUIREMENTS

Principal requirements fixed by ICAO are :

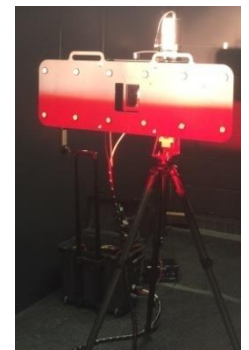
- Status and alignment of lenses.
- Status and alignment of the unit.
- Collimation in elevation and azimuth with the adjacent beam(s).
- Alignment of the red filter.
- Transition width
- Photometric Measurements of the PAPI lights.



PACT π : System Overview

The PAC π measurement system includes:

- Camera case with necessary positioning, networking and communication equipment.
- vertical positioning rail for scanning PAPI light beam.
- Luxmeters frame.
- A dedicated 12Vdc power supply.
- A tablet PC unit for system operation, data control using WIFI connexion and data storage.

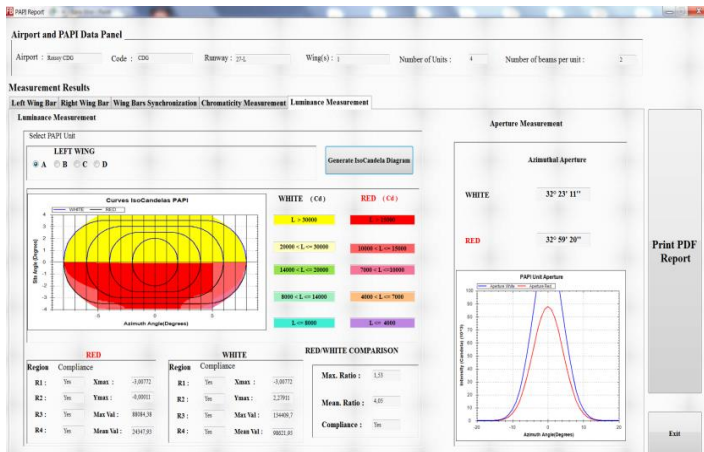
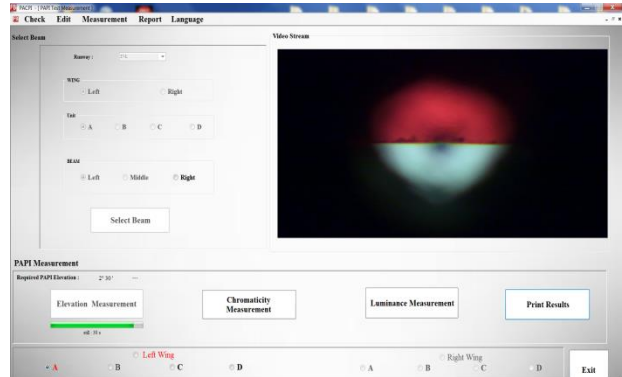


PAC π Innovative system for high precision PAPI Alignment

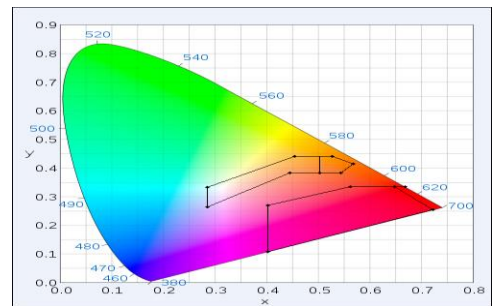
Software : Data control and analysis

The PAC π system measures the PAPI lights and provides the measurement results according to the requirements specified in Appendix 2 of Annex 14, 5th edition July 2009, of ICAO. Following parameters are provided into the software :

1. Elevation angle of each beam in the PAPI unit.
2. Average elevation angle of the unit.
3. Average elevation angle (Glide Path) of the PAPI bar.
4. Horizontality of the colour transition of the PAPI unit.
5. Horizontality of the colour transition of the PAPI bar.
6. Colour transition width of the unit.
7. Azimuth aperture of the PAPI unit and bar
8. Photometric (Intensity) diagram of the PAPI unit.



9. Chromaticity Diagram of the PAPI unit.



System performances

- High accuracy and precision.
- Easy to use and to manipulate.
- Automatic mode and procedure.
- Instant dialog to provide the operator with the correction for a precise alignment.
- Using a database system to manage and record data used and collected during the measurement session.
- Night and Day (within good visibility) operations.
- Measurement of the entire PAPI wing bar in less than 1 hour.

All our products are compliant with ICAO, FAA, STNA standards and recommendations.