

**SPESIFIKASI TEKNIS**

**PEKERJAAN LANGGANAN FLIGHT ANALYSIS SYSTEM**

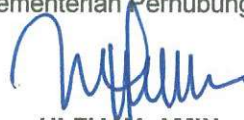
No.	URAIAN / SPESIFIKASI
1	<p><b>Insight Analisis Support (P/N F45)</b></p> <p>Specification/Capabilities:</p> <ul style="list-style-type: none"> <li>- Replays all QAR, DAR, and FDR types and the new B787 ARINC 767 data format</li> <li>- Raw data conversion on the fly for plots and tables</li> <li>- Full access to data frame description files through FFD-Editor</li> <li>- User-programmable functions with the Function Editor</li> <li>- Time synchronization for plots, tables and with Insight Animation</li> <li>- Complete control over plot layout (background, axis, parameters, text)</li> <li>- Flight information available through Flight Explorer (flight number, TO/TD times, airports, etc.)</li> <li>- Ability to apply mathematical and statistical functions onto parameters</li> <li>- Capability to derive parameters from raw data manually or automatically</li> <li>- Integrated path viewer functionality in 2D and 3D (Google Earth)</li> <li>- Ability to use UTC time as time base throughout the application</li> <li>- Overlay of multiple parameters from different data sets</li> <li>- Synchronize with Insight FDM with displayed event durations in the plot window</li> <li>- Synchronized Flight Explor window displaying flight split and flight phase detection</li> <li>- Built in bit-editing and FDR digitizing tools previously</li> <li>- Fully customizable screen layout with Save-layout functionality</li> <li>- Save plot layouts as templates for rapid data analysis</li> <li>- Automatic detection and filtering of NCD, NDU or other bit error patterns</li> <li>- Interactive cursors for data measurements</li> </ul>
2	<p><b>Insight Animation Support (P/N F45)</b></p> <p>Specification/Capabilities:</p> <ul style="list-style-type: none"> <li>- Replays all QAR, DAR, and FDR types and the new B787 data format</li> <li>- 'On the Fly' engineering units conversion from raw binary flight data</li> <li>- Preconfigured for automatic flight animation</li> <li>- Colour coded subtitles ideal for displaying CVR/ATC transcripts</li> <li>- Customizable contrails</li> <li>- Individual parameter interpolation control methods</li> <li>- Dynamically modify parameter behaviour prior to display</li> <li>- User definable instrument displays and layouts</li> <li>- Multiple advanced flight path generation algorithms</li> <li>- Animation synchronized with plots and tabular listings</li> <li>- Automated and adapted for FOQA/FDA/FDM/MOQA programs</li> <li>- Used for airport familiarization programs</li> <li>- Save new displays as templates for future use</li> <li>- Unlimited cameras, perspectives, sub-windows</li> <li>- Designed to handle the most advanced/complex accident investigation</li> <li>- Replay multiple time-sequenced audio files</li> <li>- Unlimited multiple aircraft or superimposing multiple flights</li> <li>- Full data plotting and tabular listing</li> <li>- Automatic or manual derivation of other parameters</li> <li>- Rapid generation of AVI or ISV (Insight compatible) animations</li> <li>- Extensive library of panels, instruments, and aircraft models</li> <li>- 3-D World Terrain Database (1km resolution terrain and image data)</li> <li>- Accepts high resolution Digital Terrain Elevation Data</li> </ul>

3 **Insight Recovery Support (P/N F45)**

Specification/Capabilities:

- Displays waveform for Harvard Bi-phase and NRZ data formats
- Search functions allow quick detection of wrong length subframes, abnormal bit widths, synchronization codes and bit error patterns
- Insert, delete and toggle bit interpretation capability
- Automatically detects inter-record gaps for Sundstrand UFDR
- Maintains automatic log of edit history and who performed it
- A must for all accident investigations

Pejabat Pembuat Komitmen  
Komite Nasional Keselamatan Transportasi  
Kementerian Perhubungan



**ULFIANA AMIN**

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