SCENARIO

- During Phenom 100/100E/100EV flights, some operators are facing cruise temperature scenarios below current aircraft envelope limits (-60°C) mainly during winter season.

- The situation has been discussed within EJOA forum by some current operators.

- Mr. O’Maley (EJOA President) contacted Embraer in order to request support regarding understanding and explaining the situation to the Association.
ANALYSIS

- Phenom 100/E/EV Customers/operators feedback indicate ability to operate in temperature below those indicated in the aircraft operational envelope would be beneficial.

- Current Aircraft operational envelope components and major structure parts are qualified and certified down to -54°C.

- Based on the facts above, Embraer will conduct a study with the purpose of providing an operational envelope extension (as highlighted in the picture) using minimum TAT value (Same methodology applied to E2 family).

- There will be a complete technical assessment with some interactions with the airworthiness authorities in order to validate the proposal.

- As the study evolves, Embraer will be able to address the final solution, including new temperatures limits, as well as the solution timeframe.
THANK YOU

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