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Date: 8/22/2022

Subject: ERA22FA351, Airplane Flight Configuration

Contact: Steve Speer, President, Aerostar

During a conversation with Mr. Speer, we discussed the Aerostar 600 AFM and the flight configuration of the accident airplane. We reviewed the accident pictures and determined the flap position. The text below is an excerpt from the email from Mr. Speer:

"From the pictures you sent, the rudder trim tab is deflected far more than normal. Looks like the actuator attach bracket is also broken so likely a hard impact occurred to the rudder tab during the accident.

Also, from the pictures the flaps look to be near the full down (45 deg) position.

It should be noted that, depending on the aircraft's takeoff weight, the Aerostar 600 generally cannot maintain level flight during an engine-out condition unless the flaps and gear are up, and the failed engine's prop is feathered (see attached Model 600 Flight Manual Performance Section 7)."