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US Women in Aviation 1940-1985 Research Materials - Cindy Wilson Photos

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[[logo]] AT&T
Resource Management

June 17, 1986

To: K.R. Smith
W.C. Beversluis

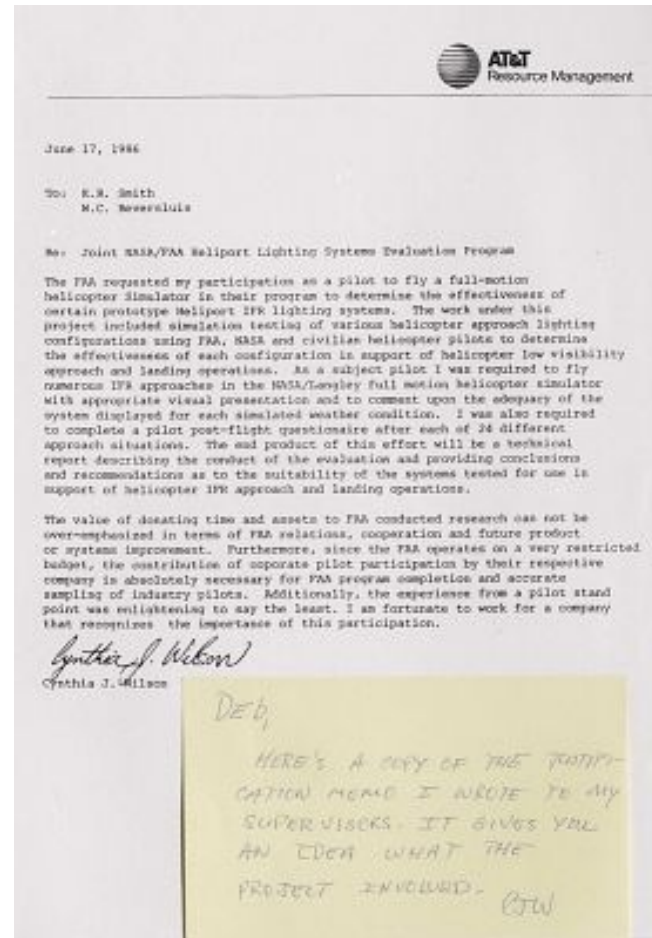
Re: Joint NASA/FAA Heliport Lighting Systems Evaluation Program

The FAA requested my participation as a pilot to fly a full-motion helicopter simulator in their program to determine the effectiveness of certain prototype Heliport IFR lighting systems. The work under this project included simulation testing of various helicopter approach lighting configurations using FAA, NASA and civilian helicopter pilots to determine the effectiveness of each configuration in support of helicopter low visibility approach and landing operations. As a subject pilot I was required to fly numerous IFR approaches in the NASA/Langley full motion helicopter simulator with appropriate visual presentation and to comment upon the adequacy of the system displayed for each simulated weather condition. I was also required to complete a pilot post-flight questionnaire after each of 24 different approach situations. The end product of this effort will be a technical report describing the conduct of the evaluation and providing conclusions and recommendations as to the suitability of the systems tested for use in support of helicopter IFR approach and landing operations.

The value of donating time and assets to FAA conducted research can not be over-emphasized in terms of FAA relations, cooperation and future product or systems improvement. Furthermore, since the FAA operates on a very restricted budget, the contribution of corporate pilot participation by their respective company is absolutely necessary for FAA program completion and accurate sampling of industry pilots. Additionally, the experience from a pilot stand point was enlightening to say the least. I am fortunate to work for a company that recognizes the importance of this participation.

[[signature]] Cynthia J. Wilson[[/signature]]
Cynthia J. Wilson

[[note attached]]
DEB,
HERE'S A COPY OF THE JUSTIFICATION MEMO I WROTE TO MY SUPERVISORS. IT GIVES YOU AN IDEA WHAT THE PROJECT INVOLVED - CJW
[[/note attached]]



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